Author Index for Volume 10

Abramow, Maurice, *See* Du Bois, Verniory and Abramow, 478

Acra, Margaret, *See* Rennick, Acra, Hysert and Mookerjee, 329

Alkjaersig, Norma K., Anthony P. Fletcher, Martin L. Lewis, Barbara R. Cole, Julie R. Ingelfinger and Alan M. Robson. Pathophysiological response of the blood coagulation system in acute glomerulonephritis, 319

Anderson, Robert J., Tomas Berl, Keith M. McDonald and Robert W. Schrier. Prostaglandins: Effect on blood pressure, renal blood flow, sodium and water excretion, 205

Anderson, Robert J., *See also* Berl, Anderson, McDonald and Schrier, 117

Anderson, Robert J., *See also* McDonald, Miller, Anderson, Berl and Schrier, 38

Arieff, Allen I., and Raul Guisado. Effect on the central nervous system of hypernatremic and hyponatremic states, 104

Athar, Shahid, *See* Robertson, Shelton and Athar, 25

Balsan, Sonia, *See* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395

Bastl, Christine, *See* Finkelstein, Siegel, Bastl, Forrest, and Kashgarian, 171

Ben-David, Menashe, *See* Berl, Brautbar, Ben-David, Czaczkes and Kleeman, 158

Bergstrom, Jonas, *See* Delaporte, Bergström and Broyer, 239

Berl, Tomas, Nachman Brautbar, Menashe Ben-David, Walter Czaczkes and Charles Kleeman. Osmotic control of prolactin release and its effect on renal water excretion in man, 158

Berl, Thomas, Robert J. Anderson, Keith M. McDonald and Robert W. Schrier. Clinical disorders of water metabolism, 117

Berl, Tomas, *See also* Anderson, Berl, McDonald and Schrier, 205

Berl, Tomas, *See also* McDonald, Miller, Anderson, Berl and Schrier, 38

Besarb, Anatole, Patricio Silva and Franklin H. Epstein. Multiple pumps for sodium readsorption by the perfused kidney, 147

Blanchard, Patrice, *See* Fabre, Rudhardt, Blanchard and Regamey, 443

Border, Wayne A., Curtis B. Wilson and Otto Götze. Nephritic factor: Description of a new quantitative assay and findings in glomerulonephritis, 311

Bourgoignie, Jacques J., *See* Fine, Bourgoignie, Weber and Bricker, 364

Boylan, John W., *See* von Baeyer, Van Liew, Klassen and Boylan, 425

Bradley, Stanley E., *See* Coelho and Bradley, 271

Brautbar, Nachman, *See* Berl, Brautbar, Ben-David, Czaczkes and Kleeman, 158

Brenner, Barry M., *See* Ichikawa and Brenner, 264

Breslau, Neil, Arnold M. Moses and I. M. Weiner. The role of volume contraction in the hypocalciuric action of chlorothiazide, 164

Bricker, Neal S., *See* Danovitch and Bricker, 229

Bricker, Neal S., *See also* Fine, Bourgoignie, Weber and Bricker, 364

Bricker, Neal S., *See also* Schmidt, Bricker and Gavellas, 287

Broyer, Michael, *See* Delaporte, Bergström and Broyer, 239

Broyer, Michael, *See also* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395

Burg, Maurice B., and Nordica Green. Role of monovalent ions in the reabsorption of fluid by isolated perfused proximal renal tubules of the rabbit, 221

Chantler, Cyril, *See* Counahan, El-Bishti, Cox, Ogg and Chantler, 471

Christensen, Erik Ilsø. Rapid protein uptake and digestion in proximal tubule lysosomes, 301

Clarkson, Evelyn M., Sheelagh M. Raw and Hugh E. de Wardener. Two natriuretic substances in extracts of urine from normal man when salt-depleted and salt-loaded, 381

Coelho, Jaime B., and Stanley E. Bradley. Effect of diuresis and nephron dimensional heterogeneity on the distribution of nephron filtration rates, 271

Cole, Barbara R., *See* Alkjaersig, Fletcher, Lewis, Cole, Ingelfinger and Robson, 319

Comty, Christina M., *See* Crosson, Moulds, Comty and Polesky, 463

Counahan, Ralph, Mohamed El-Bishti, Brian D. Cox, Chishold S. Ogg and Cyril Chantler. Plasma amino acids in children and adolescents on hemodialysis, 471

Cox, Brian D., *See* Counahan, El-Bishti, Cox, Ogg and Chantler, 471

Crosson, John T., John Moulds, Christina M. Comty and Herbert F. Polesky. A clinical study of anti-N_{DP} in the sera of patients in a large repetitive hemodialysis program, 463

Czaczkes, Walter, *See* Berl, Brautbar, Ben-David, Czaczkes and Kleeman, 158

Danovitch, Gabriel M., and Neal S. Bricker. Influence of volume expansion on NaCl reabsorption in the diluting segments of the nephron: A study using clearance methods, 229

Delaporte, Christine, Jonas Bergström and Michael Broyer. Variations in muscle cell protein of severely uremic children, 239

Dennis, Vincent W. Influence of bicarbonate on parathyroid hormone-induced changes in fluid absorption by the proximal tubule, 364

De Wardener, Hugh E., *See* Clarkson, Raw and de Wardener, 381

Diezi, Jacques, Pierrette Michoud, Alain Grandchamp and Gerhard Giebisch. Effects of nephrectomy on renal salt and water transport in the remaining kidney, 450

Author Index for Volume 10

Abramow, Maurice, *See* Du Bois, Verniory and Abramow, 478

Acra, Margaret, *See* Rennick, Acra, Hysert and Mookerjee, 329

Alkjaersig, Norma K., Anthony P. Fletcher, Martin L. Lewis, Barbara R. Cole, Julie R. Ingelfinger and Alan M. Robson. Pathophysiological response of the blood coagulation system in acute glomerulonephritis, 319

Anderson, Robert J., Tomas Berl, Keith M. McDonald and Robert W. Schrier. Prostaglandins: Effect on blood pressure, renal blood flow, sodium and water excretion, 205

Anderson, Robert J., *See also* Berl, Anderson, McDonald and Schrier, 117

Anderson, Robert J., *See also* McDonald, Miller, Anderson, Berl and Schrier, 38

Arieff, Allen I., and Raul Guisado. Effect on the central nervous system of hypernatremic and hyponatremic states, 104

Athar, Shahid, *See* Robertson, Shelton and Athar, 25

Balsan, Sonia, *See* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395

Bastl, Christine, *See* Finkelstein, Siegel, Bastl, Forrest, and Kashgarian, 171

Ben-David, Menashe, *See* Berl, Brautbar, Ben-David, Czaczkes and Kleeman, 158

Bergstrom, Jonas, *See* Delaporte, Bergström and Broyer, 239

Berl, Tomas, Nachman Brautbar, Menashe Ben-David, Walter Czaczkes and Charles Kleeman. Osmotic control of prolactin release and its effect on renal water excretion in man, 158

Berl, Thomas, Robert J. Anderson, Keith M. McDonald and Robert W. Schrier. Clinical disorders of water metabolism, 117

Berl, Tomas, *See also* Anderson, Berl, McDonald and Schrier, 205

Berl, Tomas, *See also* McDonald, Miller, Anderson, Berl and Schrier, 38

Besarb, Anatole, Patricio Silva and Franklin H. Epstein. Multiple pumps for sodium readsorption by the perfused kidney, 147

Blanchard, Patrice, *See* Fabre, Rudhardt, Blanchard and Regamey, 443

Border, Wayne A., Curtis B. Wilson and Otto Götze. Nephritic factor: Description of a new quantitative assay and findings in glomerulonephritis, 311

Bourgoignie, Jacques J., *See* Fine, Bourgoignie, Weber and Bricker, 364

Boylan, John W., *See* von Baeyer, Van Liew, Klassen and Boylan, 425

Bradley, Stanley E., *See* Coelho and Bradley, 271

Brautbar, Nachman, *See* Berl, Brautbar, Ben-David, Czaczkes and Kleeman, 158

Brenner, Barry M., *See* Ichikawa and Brenner, 264

Breslau, Neil, Arnold M. Moses and I. M. Weiner. The role of volume contraction in the hypocalciuric action of chlorothiazide, 164

Bricker, Neal S., *See* Danovitch and Bricker, 229

Bricker, Neal S., *See also* Fine, Bourgoignie, Weber and Bricker, 364

Bricker, Neal S., *See also* Schmidt, Bricker and Gavellas, 287

Broyer, Michael, *See* Delaporte, Bergström and Broyer, 239

Broyer, Michael, *See also* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395

Burg, Maurice B., and Nordica Green. Role of monovalent ions in the reabsorption of fluid by isolated perfused proximal renal tubules of the rabbit, 221

Chantler, Cyril, *See* Counahan, El-Bishti, Cox, Ogg and Chantler, 471

Christensen, Erik Ilsø. Rapid protein uptake and digestion in proximal tubule lysosomes, 301

Clarkson, Evelyn M., Sheelagh M. Raw and Hugh E. de Wardener. Two natriuretic substances in extracts of urine from normal man when salt-depleted and salt-loaded, 381

Coelho, Jaime B., and Stanley E. Bradley. Effect of diuresis and nephron dimensional heterogeneity on the distribution of nephron filtration rates, 271

Cole, Barbara R., *See* Alkjaersig, Fletcher, Lewis, Cole, Ingelfinger and Robson, 319

Comty, Christina M., *See* Crosson, Moulds, Comty and Polesky, 463

Counahan, Ralph, Mohamed El-Bishti, Brian D. Cox, Chishold S. Ogg and Cyril Chantler. Plasma amino acids in children and adolescents on hemodialysis, 471

Cox, Brian D., *See* Counahan, El-Bishti, Cox, Ogg and Chantler, 471

Crosson, John T., John Moulds, Christina M. Comty and Herbert F. Polesky. A clinical study of anti-N_{DP} in the sera of patients in a large repetitive hemodialysis program, 463

Czaczkes, Walter, *See* Berl, Brautbar, Ben-David, Czaczkes and Kleeman, 158

Danovitch, Gabriel M., and Neal S. Bricker. Influence of volume expansion on NaCl reabsorption in the diluting segments of the nephron: A study using clearance methods, 229

Delaporte, Christine, Jonas Bergström and Michael Broyer. Variations in muscle cell protein of severely uremic children, 239

Dennis, Vincent W. Influence of bicarbonate on parathyroid hormone-induced changes in fluid absorption by the proximal tubule, 364

De Wardener, Hugh E., *See* Clarkson, Raw and de Wardener, 381

Diezi, Jacques, Pierrette Michoud, Alain Grandchamp and Gerhard Giebisch. Effects of nephrectomy on renal salt and water transport in the remaining kidney, 450

Dousa, Thomas P., and Heinz Valtin. Cellular actions of vasopressin in the mammalian kidney, 46
Du Bois, Robert, Andre Verniory and Maurice Abramow. Computation of the osmotic water permeability of perfused tubule segments, 478

Eknoyan, Garabed, *See* Rossen, Reisberg, Singer, Schloeder, Suki, Hill and Eknoyan, 256
Eknoyan, Garabed, *See also* Weinman, Knight, McKenzie and Eknoyan, 295
El-Bishti, Mohamed, *See* Counahan, El-Bishti, Cox, Ogg, and Chantler, 471
Epstein, Franklin H., *See* Besarb, Silva and Epstein, 147

Fabre, Jean, Madeleine Rudhardt, Patrice Blanchard and Claude Regamey. Persistence of sisomicin and gentamicin in renal cortex and medulla compared with other organs and serum of rats, 443
Fanestil, Darrell D., *See* Ziegler, Fanestil and Ludens, 279
Fine, Leon G., Jacques J. Bourgoignie, Herbert Weber and Neal S. Bricker. Enhanced end-organ responsiveness of the uremic kidney to the natriuretic factor, 364
Finkelstein, Fredric O., Norman J. Siegel, Christine Bastl, John N. Forrest, Jr., and Michael Kashgarian. Kidney transplant biopsies in the diagnosis and management of acute rejection reactions, 171
Fitzsimons, James T. The physiological basis of thirst, 3
Fletcher, Anthony P., *See* Alkjaersig, Fletcher, Lewis, Cole, Ingelfinger and Robson, 319
Fontaine, Oliver, *See* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395
Forrest, John N., Jr., *See* Finkelstein, Siegel, Bastl, Forrest and Kashgarian, 171
Forrest, John N., *See also* Singer and Forrest, 82
Fritsch, Janine, *See* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395
Fuller, Peter J., and John W. Funder. Mineralocorticoid and glucocorticoid receptors in human kidney, 154
Funder, John W., *See* Fuller and Funder, 154

Gagneux, Stephan A., *See* Lowrie, Steinberg, Galen, Gagneux, Lazarus, Gottlieb and Merrill, 409
Galen, Malcolm A., *See* Lowrie, Steinberg, Galen, Gagneux, Lazarus, Gottlieb and Merrill, 409
Gavellas, George, *See* Schmidt, Bricker and Gavellas, 287
Giebisch, Gerhard, *See* Diezi, Michoud, Grandchamp and Giebisch, 450
Gottlieb, Michael N., *See* Lowrie, Steinberg, Galen, Gagneux, Lazarus, Gottlieb and Merrill, 409
Götze, Otto, *See* Border, Wilson and Gotze, 311
Grandchamp, Alain, *See* Diezi, Michoud, Grandchamp and Giebisch, 450
Green, Nordica, *See* Burg and Green, 221
Guisado, Raul, *See* Arieff and Guisado, 104

Haas, John A., *See* Knox, Haas and Lechene, 216
Hill, L. L., *See* Rossen, Reisberg, Singer, Schloeder, Suki, Hill and Eknoyan, 256
Horsman, Anthony, *See* Regan, Peacock, Rosen, Robinson and Horsman, 246
Horster, Michael, and Lars Larsson. Mechanisms of fluid absorption during proximal tubule development, 348
Hysert, Pat, *See* Rennick, Acra, Hysert and Mookerjee, 329

Ichikawa, Ikuni, and Barry M. Brenner. Of unglazed pottery and glomerular sieving, 264
Ingelfinger, Julie R., *See* Alkjaersig, Fletcher, Lewis, Cole, Ingelfinger and Robson, 319

Jamison, Rex L., *See* Sanjana, Robertson and Jamison, 139

Kashgarian, Michael, *See* Finkelstein, Siegel, Bastl, Forrest and Kashgarian, 171
Klassen, John, *See* von Baeyer, Van Liew, Klassen and Boylan, 425
Kleeman, Charles, *See* Berl, Brautbar, Ben-David, Czaczkes and Kleeman, 158
Knight, Thomas F., *See* Weinman, Knight, McKenzie and Eknoyan, 295
Knox, Franklin G., John A. Haas and Claude P. Lechene. Effect of parathyroid hormone on phosphate reabsorption in the presence of acetazolamide, 216
Kokko, Juha P., and C. Craig Tisher. Water movement across nephron segments involved with the countercurrent multiplication system, 64
Kryzymanski, M., *See* Quadracci, Ringden and Krzymanski, 179

Larsson, Lars, *See* Horster and Larsson, 348
Lazarus, J. Michael, *See* Lowrie, Steinberg, Galen, Gagneux, Lazarus, Gottlieb and Merrill, 409
Lechene, Claude P., *See* Knox, Haas and Lechene, 216
Lenoir, Gerard, *See* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395
Lewis, Martin L., *See* Alkjaersig, Fletcher, Lewis, Cole, Ingelfinger and Robson, 319
Lordon, Robert E., *See* McPhaul, Lordon, Thompson and Mullins, 135
Lowrie, Edmund G., Steven M. Steinberg, Malcolm A. Galen, Stephan A. Gagneux, J. Michael Lazarus, Michael N. Gottlieb and John P. Merrill. Factors contributing to alterations in uremic physiology which occur with chronic hemodialysis, 409
Ludens, James H., *See* Ziegler, Fanestil and Ludens, 279

Margolis, Alina, *See* Witmer, Margolis, Fontaine, Fritsch, Lenoir, Broyer and Balsan, 395
McDonald, Keith M., Paul D. Miller, Robert J. Anderson, Tomas Berl and Robert W. Schrier. Hormonal control of renal water excretion, 38
McDonald, Keith M., *See also* Anderson, Berl, McDonald and Schrier, 205
McDonald, Keith M., *See also* Berl, Anderson, McDonald and Schrier, 117
McKenzie, Randell, *See* Weinman, Knight, McKenzie and Eknoyan, 295
McPhaul, John J., Jr., Robert E. Lordon, Alfred L. Thomson, Jr., and James D. Mullins. Nephritogenic immunopathologic mechanisms and human renal transplants: The problem of recurrent glomerulonephritis, 135
Merrill, John P., *See* Lowrie, Steinberg, Galen, Gagneux, Lazarus, Gottlieb and Merrill, 409
Michoud, Pierrette, *See* Diezi, Michoud, Grandchamp and Giebisch, 450
Miller, Myron, and Arnold M. Moses. Drug-induced states of impaired water excretion, 96
Miller, Paul D., *See* McDonald, Miller, Anderson, Berl and Schrier, 38

Moorkerjee, Basab, *See* Rennick, Acra, Hysert and Mookerjee, 329
Moran, John, *See* Thomson, Moran, Simpson and Peters, 343
Moses, Arnold M., *See* Breslau, Moses and Weiner, 164
Moses, Arnold M., *See also* Miller and Moses, 96
Moulds, John, *See* Crosson, Moulds, Comty and Polesky, 463
Mullins, James D., *See* McPhaul, Lordon, Thompson and Mullins, 135

Ogg, Chishold S., *See* Counahan, El-Bishti, Cox, Ogg and Chantler, 471

Peacock, Munro, *See* Regan, Peacock, Rosen, Robinson and Horsman, 246
Peters, D. Keith, *See* Thomson, Moran, Simpson and Peters, 343
Pinto, Bernardo, Elisabeth Rocha and Francisco J. Ruiz-Marcellán. Isolation and characterization of uricine from uric acid stones, 437
Polesky, Herbert F., *See* Crosson, Moulds, Comty and Polesky, 463

Quadracci, Leonard J., O. Ringden and M. Krzymanski. The effect of uremia and transplantation on lymphocyte subpopulations, 179

Raw, Sheelagh M., *See* Clarkson, Raw and de Wardener, 381
Regamey, Claude, *See* Fabre, Rudhardt, Blanchard and Regamey, 443
Regan, Richard J., Munro Peacock, Stanley M. Rosen, Philip J. Robinson and Anthony Horsman. Effect of dialysate calcium concentration on bone disease in patients on hemodialysis, 246
Reisberg, M. A., *See* Rossen, Reisberg, Singer, Schloeder, Suki, Hill and Eknoyan, 256
Rennick, Barbara, Margaret Acra, Pat Hysert and Basab Mookerjee. Choline loss during hemodialysis: Homeostatic control of plasma choline concentrations, 329
Ringden, O., *See* Quadracci, Ringden and Krzymanski, 179
Robertson, Channing R., *See* Sanjana, Robertson and Jamison, 139
Robertson, Gary L., Ronald Shelton and Shadhid Athar. The osmoregulation of vasopressin, 25
Robinson, Alan G., *See* Zimmerman and Robinson, 12
Robinson, Philip J., *See* Regan, Peacock, Rosen, Robinson and Horsman, 246
Robson, Alan M., *See* Alkjaersig, Fletcher, Lewis, Cole, Ingelfinger and Robson, 319
Rocha, Elisabeth, *See* Pinto, Rocha and Ruiz-Marcellan, 437
Rosen, Stanley M., *See* Regan, Peacock, Rosen, Robinson and Horsman, 246
Rossen, Roger D., M. A. Reisberg, D. B. Singer, F. X. Schloeder, Wadi N. Suki, L. L. Hill and Garabed Eknoyan. Soluble immune complexes in sera of patients with nephritis, 256
Rudhardt, Madeleine, *See* Fabre, Rudhardt, Blanchard and Regamey, 443
Ruiz-Marcellan, Francisco J., *See* Pinto, Rocha and Ruiz-Marcellan, 437

Sanjana, Veeraf M., Channing R. Robertson and Rex L. Jamison. Water extraction from the inner medullary collecting tubule system: A role for urea, 139
Schloeder, F. X., *See*Rossen, Reisberg, Singer, Schloeder, Suki, Hill and Eknoyan, 256
Schmidt, R. William, Neal S. Bricker and George Gavellas. Bicarbonate reabsorption in the dog with experimental renal disease, 287
Schrier, Robert W. Introduction to the Symposium on Water Transport, 1
Schrier, Robert W., *See also* Anderson, Berl, McDonald and Schrier, 205
Schrier, Robert W., *See also* Berl, Anderson, McDonald and Schrier, 117
Schrier, Robert W., *See also* McDonald, Miller, Anderson, Berl and Schrier, 38
Shelton, Ronald L., *See* Robertson, Shelton and Athar, 25
Siegel, Norman J., *See* Finkelstein, Siegel, Bastl, Forrest and Kashgarian, 171
Silva, Patricio, *See* Besarb, Silva and Epstein, 147
Simpson, Ian J., *See* Thompson, Moran, Simpson and Peters, 343
Singer, D. B., *See* Rossen, Reisberg, Singer, Schloeder, Suki, Hill and Eknoyan, 256
Singer, Irwin, and John N. Forrest. Drug-induced states of nephrogenic diabetes insipidus, 82
Steinberg, Steven M., *See* Lowrie, Steinberg, Galen, Gagneux, Lazarus, Gottlieb and Merrill, 409
Suki, Wadi N., *See* Rossen, Reisberg, Singer, Schloeder Suki, Hill and Eknoyan, 256

Thompson, Alfred L., *See* McPhaul, Lordon, Thompson, and Mullins, 135
Thomson, Napier M., John Moran, Ian J. Simpson and D. Keith Peters. Defibrination with ancrod in nephrotoxic nephritis in rabbits, 343
Tisher, C. Craig, *See* Kokko and Tisher, 64

Valtin, Heinz, *See* Dousa and Valtin, 46
Van Liew, Judity B., *See* von Baeyer, Van Liew, Klassen and Boylan, 425
Verniory, Andre, *See* Du Bois, Verniory and Abramow, 478
Von Baeyer, Hans, Judith B. Van Liew, John Klassen and John W. Boylan. Filtration of protein in the anti-GBM nephritic rat: a micropuncture study, 425

Weber, Herbert, *See* Fine, Bourgoignie, Weber and Bricker, 364
Weiner, I. M., *See* Breslau, Moses and Weiner, 164
Weinman, Edward J., Thomas F. Knight, Randell McKenzie and Garabed Eknoyan. Dissociation of urate from sodium transport in the rat proximal tubule, 295
Wilson, Curtis B., *See* Border, Wilson and Götze, 311
Witmer, Giulia, Alina Margolis, Oliver Fontaine, Janine Fritsch, Gerard Lenoir, Michel Broyer and Sonia Balsan. Effects of 25-hydroxycholecalciferol on bone lesions of children with terminal renal failure, 395

Ziegler, Thomas W., Darrell D. Fanestil and James H. Ludens. Influence of transepithelial potential difference on acidification in the toad urinary bladder, 279
Zimmerman, Earl A., and Alan G. Robinson. Hypothalamic neurons secreting vasopressin and neurophysin, 12

Subject Index

Acebutolol
pharmacokinetics of, in chronic renal insufficiency (abstr.), 185
Acetaminophen
hepatic and renal failure after massive ingestion of (abstr.), 496
Acetate
metabolism of ^{14}C-acetate during dialysis (abstr.), 198
Acetazolamide
effect of parathyroid hormone on phosphate reabsorption in presence of, 216
effect on absorption of bicarbonate and fluid in proximal straight tubules (abstr.), 592
effect on proximal tubule transport (abstr.), 580
effect on transepithelial potential difference on acidification in toad urinary bladder, 279
and influence of bicarbonate on parathyroid hormone-induced changes in fluid absorption by the proximal tubule, 373
and sodium readsorption by the perfused kidney, 147
N-acetylprocainamide accumulation
in renal dysfunction (abstr.), 497
Acidification
effect of transepithelial potential difference on, in bladder, 279
Acidification, renal
urinary P_{CO2} in Li_2CO_3-treated patients with (abstr.), 565
Acidification, urinary
aldosterone and inhibitors of RNA and protein synthesis in (abstr.), 582
characteristics of, in rabbit (abstr.), 584
effect of glucose and insulin administration on (abstr.), 589
Acidosis
betahydroxybutyric pathogenesis of (abstr.), 506
effect on glutamine metabolism and renal ammoniagenesis (abstr.), 571
of proximal renal tubule, calcium and phosphorous balances in (abstr.), 561
respiratory compensation in (abstr.), 506
Adenylate cyclase
effects of ethacrynic acid and furosemide on (abstr.), 592
hyporesponsiveness to vasopressin in kidney (abstr.), 598
Adrenocorticoid receptors
in human kidney, 154
Agglutinins, cold
in RDT patients (abstr.), 194
Albumin
effect of volume expansion and osmotic diuresis on renal excretion of (abstr.), 583
glomerular permeability to, in the anti-GBM nephritic rat, 425
rat kidney handling of (abstr.), 595
Aldosterone
deficiency: role in metabolic acidosis resulting from dietary potassium restriction (abstr.), 586
effect on hydrogen ion transport (abstr.), 575
effect on transepithelial electrolyte flux (abstr.), 576
metabolism in the isolated perfused rat kidney (abstr.), 188
and mineralocorticoid receptors in human kidney, 154
Alkaline phosphatase
effect of binephrectomy on activity of (abstr.), 195
Alkaluria
induced by L-arginine·HCl (abstr.), 604
Allantoin
renal handling of (abstr.), 577
Aluminum
intoxication, in dialysis dementia (abstr.), 194
Amiloride
effect on transepithelial potential difference on acidification in urinary bladder of toad, 279
effect on renal concentration and dilution (abstr.), 197
Amino acids
effect of protein intake and uremia on plasma levels of (abstr.), 560
metabolism of, in anephric goat (abstr.), 515
taurine used to study renal transport of (abstr.), 579
in uremia, 471
Aminoaciduria
and testing anticystinuric drugs (abstr.), 189
p-Aminohippurate, *See* Para-aminohippurate
Ammoniagenesis, renal
regulation of (abstr.), 574
Analgesic nephropathy
covalent bonding of acetaminophen to kidney protein (abstr.), 563
decreased drug conjugation as pathogenic factor in (abstr.), 194
Anastomosis, arterial
in transplantation, complications with (abstr.), 192
Ancrod
defibrination with, in nephrotoxic nephritis, 343
Anemia
in nephrectomized patients, hemodialyzed with cobalt chloride, treatment of (abstr.), 190
Anesthesia
effect on excretion of isotonic saline load in rat (abstr.), 588
Angiographic contrast material
effect on renal function (abstr.), 499
Angiotensin
adrenal response to (abstr.), 534

antagonists of, studied in hypertension (abstr.), 338
binding sites for (abstr.), 338
blockade of, as a rapid diagnostic test in hypertension (abstr.), 197
glomerular filtration rate affected by (abstr.), 185
hemodynamics of, in hypertension (abstr.), 187
infusion in intact and hypophysectomized rats: proteinuria and sodium excretion during (abstr.), 576
inhibition: effect in bile duct ligated dog (abstr.), 593
intrarenal role of, in hypertension (abstr.), 530
physiologic and therapeutic implications of blockage of in hypertensive hemodialysis patients (abstr.), 198
physiologic determinants of, pressor responsiveness in normal vs. uremic patients (abstr.), 336
receptor site for (abstr.), 338
relationship to thirst and water, 3
renal and cardiovascular responses to (abstr.), 530
and renin system in anephric man (abstr.), 193
and vasopressin in newborn (abstr.), 535
venous and arteriolar responses to (abstr.), 529

Antibiotics
accumulation in renal cortex and medulla compared with other organs and serum, 443

Antibodies
anti-N: in RDT patients (abstr.), 194
cytotoxic: detection of, in glomerulonephritis (abstr.), 187
dialysis associated autoantibodies (abstr.), 199
and kidney disease (abstr.), 485
lymphocyte-dependent: and human chronic allograft rejection (abstr.), 200

Antidiuresis
and impaired water excretion, 96
and water movement across nephron segments involved with the countercurrent system, 64

Antidiuretic hormone
cellular actions of vasopressin in the mammalian kidney, 46
drug-induced states of impaired water excretion related to, 96
in drug-induced states of nephrogenic diabetes insipidus, 82
hypernatremia and hyponatremia's effect on secretion of, 104
osmoregulation of, 25

Antidiuretic hormone, syndrome of inappropriate
drug therapy for (abstr.), 498
hyponatremia and prostatic carcinoma and (abstr.), 512

Anti-GBM nephritis
filtration of protein in, 425

Antigens,
cell-mediated immunity to, in minimal change neuropathy (abstr.), 193
detection of cytotoxic antibodies against fetal kidney cells in glomerulonephritis (abstr.), 187

Anti-N_{DP}
in sera of chronic hemodialysis patients, 463

Artificial kidney
used as an artificial lung (abstr.), 527

Ascites
treatment of, with i.p. colloidal $CrP^{32}O_4$ during regular dialysis (abstr.), 192

Ascites, refractory
renal clearance studies in, peritoneal venous shunt for (abstr.), 560

Australia antigenemia
effect on long-term survival of transplants (abstr.), 198

Azathiaprine, *see* Imuran

Bacteriuria, asymptomatic
of childhood, immunoglobulin-coated bacteria in (abstr.), 508

Balkan nephropathy
immunologic study of (abstr.), 542
viral etiology of (abstr.), 189

Bartter's syndrome
indomethacin's effect on (abstr.), 511

Basement membrane, tubular
chemical properties of a glycopeptide isolated from, antigenic determinants (abstr.), 186

Bicarbonate
effect on fluid absorption by proximal renal tubules, 221
effect on parathyroid hormone-induced changes in fluid absorption by the proximal tubule, 373
and parathyroid hormone effect on phosphate reabsorption in presence of acetazolamide, 216
reabsorption, effect of Phenformin on (abstr.), 510
reabsorption, in renal disease, 287
and sodium readsorption by the perfused kidney, 147
renal effects of hypocalcemia on absorption of (abstr.), 489

Biopsy
of transplants, in diagnosis and management of acute rejection reactions, 171

Bladder epithelium
isolation of apical and basal-lateral plasma membranes of (abstr.), 597

Blood loss
estimation of, during maintenance dialysis (abstr.), 197

Blood pressure
effect of prostaglandins on, 205
osmolality changes during ultrafiltration (abstr.), 192
regulation of, in uremic and hypertensive man (abstr.), 520

Bone disease
calcitonin-PTH divalent ion relationship in (abstr.), 492
effect of dialysate calcium concentration on, 246
and factors contributing to uremia in chronic hemodialysis, 409
plasma immunoreactive calcitonin related to, in dialyzed patients (abstr.), 195

Bone lesions
effect of 25-hydroxycholecalciferol and vitamin D on, in terminal renal failure in children, 395

Bone necrosis, avascular
following renal transplantation (abstr.), 190

Bradykinin
effects on tubular reabsorption of Na (abstr.), 579

Brush border membrane, proximal tubule
immunologic studies of (abstr.), 540

Brush border vesicles
sugar uptake into (abstr.), 599

Calcitonin
and bone disease in dialyzed patients (abstr.), 195

Calcium
in dialysate, effect on bone disease, 246
excretion: chlorothiazide's effect on, 164

intracellular: effect on tubular reabsorption of phosphorus (abstr.), 491
nephrolithiasis: plasma vitamin D and serum phosphate in (abstr.), 489
transport: in distal convoluted tubule (abstr.), 489
urolithiasis: orthophosphate therapy in (abstr.), 511
Carbon dioxide transport
factors controlling the formation of urine-blood pCO_2 tension (abstr.), 575
Cardiac denervation
Na excretion during increased inspiratory airway resistance following (abstr.), 578
Cardiac edema
distribution of glomerular filtrate and renal blood flow in (abstr.), 578
proximal tubular and renal function in (abstr.), 591
Cardiorenal function
staphylococcal enterotoxic B effect in (abstr.), 562
Cell-mediated immunity
in minimal change nephropathy (abstr.), 193
Central nervous system
effect of hypernatremia and hyponatremia on, 104
Cerebral edema
in hyponatremia, 104
Charcoal hemoperfusion, *See* Hemoperfusion, charcoal
Chloride transport
effect of K-depletion on, in nephron (abstr.), 591
new model for (abstr.), 599
stimulatory factor in urine of chronically NaCl-loaded man (abstr.), 602
Chlorothiazide
hypocalciuric action, role of volume contraction, 164
Choline
loss of, during hemodialysis: homeostatic control of, 329
Cirrhosis
primary biliary *c.*: effect of extracellular volume expansion on renal Na and P in (abstr.), 495
renal sodium retention and ascites formation in: portal hypertension factor (abstr.), 590
Clofibrate
-induced muscle damage, in chronic renal failure (abstr.), 191
Clopamide
effect on blood urea in congenital diabetes insipidus (abstr.), 337
Coagulation
in acute glomerulonephritis, 319
Cobalt chloride
treatment of anemia of nephrectomized patients hemodialyzed with (abstr.), 190
Complement system
depression of, by inulin infusion (abstr.), 506
glomerular receptor for C3b (abstr.), 485
in glomerulonephritis (abstr.), 339
nephritic factor effect on, 311
Concentrating mechanism
and the role of urea in water extraction from the inner medullary collecting tubule system, 139
Cortex, renal
enzyme activity in (abstr.), 542
Cortical blood flow
autoregulation of (abstr.), 187
Cortical tubules
effect of cAMP and new analog on hydraulic water permeability of (abstr.), 584
isolation of (abstr.), 573
and vascular relationships, in rat kidney (abstr.), 602
Corticosteroids
water excretion and, 38
Countercurrent system
water movement across nephron segments involved with, 64
Cryoglobulinemia
mesangial immunoglobulin deposits in (abstr.), 505
Crystalluria
clinical diagnosis of (abstr.), 511
Cultured renal cells
fetal: to detect cytotoxic antibodies, in glomerulonephritis (abstr.), 187
glucose-6-phosphatase in: loss of activity during differentiation (abstr.), 594
Cyclic adenosine monophosphate
action on renal medulla: biochemical mechanism (abstr.), 581
effect on H^+ secretion in bladder (abstr.), 590
effects of vasopressin on metabolism of, 46
lack of antidiuretic effect of new analogue of (abstr.), 600
Cyclophosphamide
longterm therapy of, in idiopathic nephrotic syndrome with minimal lesion (abstr.), 504
Cystic disease, renal
nordihydroguiaretic acid-induced (abstr.), 557
Cystinuria
analysis of therapy for (abstr.), 496
and aminoaciduria, testing anticystinuric drugs (abstr.), 189

Deafness
effect of transplantation on (abstr.), 197
Defibrination
with ancrod in nephrotoxic nephritis, 343
Dementia
aluminum intoxication related to (abstr.), 194
Desoxycorticosterone (DOCA)
effect on ion conductances of cortical collecting tubules (abstr.), 594
Dexamethasone
and glucocorticoid receptors in human kidney, 154
Diabetes
effect of orotate feeding on normal and diabetic renal cortex (abstr.), 572
effect on RNA synthesis rate in renal cortex (abstr.), 570
ketoacidosis: transient hypoxemia in (abstr.), 499
renal failure, acute: radiography dye-induced (abstr.), 501
renal failure: after i.v. pyelography (abstr.), 501
Diabetes insipidus
as a disorder of water metabolism, 117
drug-induced states of nephrogenic form of, 82
and effect of clopamide and furosemide on the blood urea in (abstr.), 337
K metabolism in (abstr.), 582
Diabetes mellitus
atypical glomerular disease in (abstr.), 200

functional and morphologic aspects of renal cortical interstitium and microcirculation in (abstr.), 565
maintenance hemodialysis in patients with (abstr.), 199
renal tubular defects associated with (abstr.), 500
transplantation and (abstr.), 336
Dialysate, sorbent-based
as regeneration system for peritoneal dialysate (abstr.), 196
regeneration of, in long-term home dialysis (abstr), 196
Dialysis, *See also* Hemodialysis
and amino acids in uremia, 471
angiotensin II blockade in hypertension of patients on hemodialysis (abstr.), 198
anti-N_{DP} in sera of patients on, 463
ascites treated with i.p. colloidal $CrP^{32}O_4$ (abstr.), 192
and associated autoantibodies (abstr.), 199
changes in skeletal homeostasis after bilateral nephrectomy in patients on (abstr.), 195
charcoal capillary hemoperfusion system (abstr.), 196
choline loss during hemodialysis, homeostatic control of choline, 329
dialysate calcium concentration effect on bone disease in patients on, 246
and encephalopathy (abstr.), 200
Hoeltzenbein dialyzer in pediatric patients (abstr.), 199
25-hydroxycholecalciferol and vitamin D effects on bone lesions of children with terminal renal failure, 395
hydroxycholecalciferol to treat patients on (abstr.), 193
and hypertension: angiotensin, antagonists studies (abstr.), 338
iatrogenic sources of blood loss during (abstr.), 197
and lipid abnormalities in children, correlated with dietary intake (abstr.), 192
maintenance *d.*
hematocrit levels during (abstr.), 525
cardiovascular risk factors in (abstr.), 500
metabolism of ^{14}C-acetate during (abstr.), 198
nutritional abnormalities in uremics entering therapy by (abstr.), 514
one-needle system for (abstr.), 191
parallel plate dialyzers: small solute clearances with ultrafiltration in (abstr.), 523
peritoneal *d.*
as alternative to conventional hemodialysis (abstr.), 200
aseptic peritonitis during (abstr.), 518
at home in treatment of chronic uremia (abstr.), 187
in juvenile diabetes mellitus (abstr.), 521
isoproterenol enhancement of peritoneal permeability in (abstr.), 521
pulsatile alternating flow, with subcutaneous peritoneal catheter (abstr.), 526
sorbent-based regeneration system and (abstr.), 196
transperitoneal aminophylline flux and peritoneal permeability in (abstr.), 520
vs. conventional hemodialysis (abstr.), 528
renal transplantation effect on (abstr.), 195
and transplantation, logistics of (abstr.), 522
ultrafiltration, blood pressure, and (abstr.), 192
Diluting segment
influence of volume expansion on NaCl reabsorption in, clearance method study, 229
Distal tubule, *See* Tubule, distal
Diuresis
and the countercurrent system, 64
Diuretics
effect on increased divalent cation excretion after glucose ingestion (abstr.), 571
DNA synthesis
lymphocyte enzymes of, in chronic renal failure (abstr.), 196
Dopamine
acebutolol's effect on (abstr.), 186
in hypertension (abstr.), 530
renal and cardiac action of (abstr.), 589

Embolism, renal artery
clinical spectrum of (abstr.), 502
Embolization
as treatment of malignant hypertension in dialysis patients (abstr.), 338
Encephalopathy
in dialysis patients (abstr.), 200
Endocarditis
in hypocomplementemic membranoproliferative glomerulonephritis (abstr.), 188
Enzyme activity
of polymorphonuclear leukocytes in glomerulonephritis (abstr.), 198
Enzymuria
in gentamicin nephrotoxicity (abstr.), 493
Erythropoietin production
related to renal mass (abstr.), 499

Fanconi syndrome
renal tubular dysfunction in cadmium-induced (abstr.), 492
Fibrin
and the blood coagulation system in acute glomerulonephritis, 319
and defibrination with ancrod in nephrotoxic nephritis, 343
Fibrinogen
and the pathophysiological response of blood coagulation system in acute glomerulonephritis, 319
Fibrinolysis
and defibrination with ancrod with nephrotoxic nephritis, 343
pathophysiologic response of blood coagulation system in acute glomerulonephritis, 319
Filtration rate, *See* Glomerular filtration rate,
Fluid absorption
effect of monovalent ions on, in proximal renal tubules, 221
mechanisms of, during proximal tubule development, 348
Formaldehyde
and anti-N cold agglutinins in RDT patients (abstr.), 194 (abstr.), 194
Furosemide
effect on blood urea in congenital diabetes insipidus (abstr.), 337
effect on K excretion (abstr.), 578
effect on renal autoregulation (abstr.), 581
effect on thiazide-induced hypocalciuria, 164

Gastrointestinal disease
in uremia (abstr.), 504

Genetics
of lecithin cholesterol acetyltransferase deficiency (abstr.), 185
Gentamicin
accumulation in renal cortex and medulla compared with other organs and serum, 443
-induced nephropathy: characteristics of (abstr.), 559
nephrotoxicity: effect of cephalothin or other sodium salts on (abstr.), 556
serum concentrations: predictability of, in renal failure (abstr.), 496
Glomerular antigens
of glomerular and vascular cells in culture (abstr.), 549
Glomerular blood flow
measurement of intrarenal nutrient and: in hydropenic rats (abstr.), 604
Glomerular complement receptor
role of (abstr.), 548
and ultrastructural electron dense deposits (abstr.), 547
Glomerular filtration
historical perspective of glomerular sieving, 264
rate (GFR)
effects of angiotensin II on (abstr.), 185
autoregulation of, by indicator dilution technique (abstr.), 603
effect of diuresis and nephron heterogeneity on, 271
and end-organ responsiveness of uremic kidney to natiuretic factor, 364
ontogeny of, effect of saline road on (abstr.), 601
single nephron: and effects of nephrectomy on renal salt and water transport in remaining kidney, 450
Glomerular mesangium
impairment of clearing function of (abstr.), 550
Glomerular permeability
to albumin, in the anti-GMB nephritic rat, 425
in disease, role of glomerular epithelial cell (abstr.), 555
experimental model of proteinuria (abstr.), 338
to neutral and negatively charged horseradish peroxidase (abstr.), 596
Glomerular sieving
historical perspective, 264
Glomerular transport
puromycin-induced defects in (abstr.), 554
Glomerular ultrafiltration coefficient
effect of ADH and cAMP on (abstr.), 586
Glomerulonephritis
Clq binding substances in sera in (abstr.), 339
crescentic: associated with nonrenal malignancies (abstr.), 544
cryoglobulinemia and, ultrastructure of (abstr.), 542
filtration dependence of glucose reabsorption in (abstr.), 559
hypocomplementemic membranoproliferative *g.*, and subacute bacterial endocarditis (abstr.), 188
immunologic study of (abstr.), 543, 545, 546, 548, 551, 552
linear IgG deposits in, a case with anuria (abstr.), 188
membranoproliferative: and the nephritic factor, 311
membranous
in renal allografts (abstr.), 336
with extra renal disorders in children (abstr.), 337
mesangial proliferative: IGM deposits in (abstr.), 542
nephritic factor in, 311
nephrotoxic: attenuation of, with an extracorporeal immunoadsorbent (abstr.), 551
nonsystemic: inhalation of organic solvents and (abstr.), 337
pathophysiologic response of the blood coagulation system in, 319
plasma-exchange and immunosuppression in (abstr.), 507
polymorphonuclear leukocyte enzyme activity in (abstr.), 198
poststreptococcal
longterm follow-up of (abstr.), 505
response to sodium load in (abstr.), 506
vasoconstrictor response in (abstr.), 565
pressure natriuresis in (abstr.), 565
protein leakage pathway in (abstr.), 545
proteinuria effects on renal tubular functions in (abstr.), 507
rapidly progressive: clinical and pathological study (abstr.), 505
recurrent: in renal grafts, immunopathologic mechanisms, 135
serum sickness in, in intact or thymectomized chickens (abstr.), 538
site of sodium retention in, role of a natriuretic factor (abstr.), 186, 194
soluble immune complexes in sera of patients with, 256
streptococcal: immunologic study of (abstr.), 546
subendothelial electron dense deposits in (abstr.), 545
warfarin and dipyridamole therapy in (abstr.), 512
Glomerulosclerosis
diabetic: glomerular microaneurysms and their evolution into Kimmelstiel-Wilson nodule in (abstr.), 539
focal: aminonucleoside-induced (abstr.), 552
focal segmental: with proteinuria and chronic interstitial nephritis (abstr.), 510
immunologic studies of (abstr.), 540
Glucocorticoid hormone
deficiency: effect on renal medullary cyclic AMP (abstr.), 572
in HCl-induced metabolic acidosis (abstr.), 586
receptors: in human kidney, 154
Glucose transport
effect of volume expansion on, under glucose-loading (abstr.), 603
Glutamine
deamidation: intramitochondrial glutamate deamination in regulation of (abstr.), 574
metabolism: in perfused muscle and liver (abstr.), 486
Glutathione oxidation
effect on renal tubular amino acid transport (abstr.), 570
Glycopeptide
chemical properties of, isolated from tubular basement membranes and carrying specific antigenic determinants (abstr.), 186
Glycosaminoglycans
in glomeruli: quantitative study (abstr.), 588
Glycosuria
renal: study on dogs (abstr.), 578
transplantation and (abstr.), 336
Goodpasture's syndrome
plasma-exchange and immunosuppression in the treatment of (abstr.), 191
Grafts, See Transplants

Hemodialysate
myocardial and blood pressure depression produced by potential substitutes for sodium acetate in (abstr.), 519
Hemodialysis
angiotensin II blockade in hypertension of patients on (abstr.), 198
anti-N_{DP} in sera of patients on, 463
arterial calcification and pathology in uremics on (abstr.), 518
arteriovenous fistulas construction for (abstr.), 516
calcitonin relationship to bone disease and (abstr.), 195
centers for: ratios on patient selection and treatment (abstr.), 519
changes in pCO_2 during and after (abstr.), 528
choline loss during, homeostatic control of choline, 329
chronic *h.*:
antibodies to nuclear antigens in patients on (abstr.), 523
early mortality in chronic *h.*: (abstr.), 525
gentamicin ototoxicity in chronic *h.* (abstr.), 558
granulomatous inflammation in (abstr.), 526
and defective cellular immunity (abstr.), 514
dialysate calcium concentration effect on bone disease in patients on, 246
dialysis dementia in, red cell microcytosis associated with (abstr.), 522
double lumen single needle for (abstr.), 527
effect on acid-base balance and patient well-being (abstr.), 517
end-stage diabetic renal disease and (abstr.), 526
factors contributing to alterations in uremic physiology in, 409
factors contributing to morbidity and mortality in (abstr.), 518
heparin dosage during (abstr.), 516
hepatitis B surface antigen in (abstr.), 524
and high bleeding risk treatment (abstr.), 528
home *h.*: sorbent regeneration of dialysate (abstr.), 196
25-hydroxycholecalciferol and vitamin D effects on bone lesions of children with terminal renal failure, 395
hydroxycholecalciferol to treat patients on (abstr.), 193
and hypertension, angiotensin-antagonist studies (abstr.), 338
hypophosphatemia in (abstr.), 526
insulin and growth hormone responses to glucose in (abstr.), 524
and intradialytic measurement of cardiac output with impedance cardiography (abstr.), 517
iron absorption and utilization in (abstr.), 520
lipid abnormalities in children on, correlated with dietary intake (abstr.), 192
lipid levels in diabetic uremics on (abstr.), 514
maintenance *h.*
after jejunal-ileal anastomosis therapy for obesity (abstr.), 513
in diabetic patients (abstr.), 199
essential amino acid metabolism in (abstr.), 515
marrow iron stores in (abstr.), 513
nutrition as an index of (abstr.), 525
three-hour dialysis combined with direct hemoperfusion and (abstr.), 197
metabolism of acetate-1-^{14}C during (abstr.), 524
muscle membrane potential as index of (abstr.), 515
nandrolone decanoate and iron in (abstr.), 524
nutritional intake, somatomedin activity and linear growth in children on (abstr.), 523
one-needle system for, 191
plasma amino acids in children and adolescents on, 471
plasma renin activity as guide to target weight in patients on (abstr.), 527
plasma renin activity changes in response to volume depletion during (abstr.), 520
plasma triglyceride and insulin responses to diet in (abstr.), 525
portable machine for (abstr.), 521
prediction of efficiency: solute kinetic model (abstr.), 518
procainamide overdose treated by (abstr.), 513
for progressive systemic sclerosis with renal failure (abstr.), 515
psychosocial and physiological aspects of (abstr.), 522
in renal cell carcinoma and renal failure (abstr.), 516
and renin study (abstr.), 189
serum ferritin level as determinant of iron requirement in (abstr.), 521
skeletal homeostasis changes and (abstr.), 195
sorbent-based dialysate regeneration system in (abstr.), 522
spontaneous hypoglycemia in (abstr.), 513
spontaneous renal hemorrhage with retroperitoneal hematoma in (abstr.), 519
study on anephric goat (abstr.), 514
treatment of pruritus (abstr.), 527
zinc depletion and hypogeusia in (abstr.), 553
Hemodynamics
effect of prostaglandin-synthetase inhibitors on (abstr.), 189
of hypertension, volume-dependent parameters (abstr.), 187
intrarenal blood flow regulation (abstr.), 188
Hemoglobinemia
glomerular disease and immune complex nephritis in (abstr.), 546
Hemoglobin synthesis
middle molecules and (abstr.), 195
Hemolytic uremic syndrome
after kidney transplantation, recurrence of (abstr.), 544
Hemoperfusion
in anephric goat (abstr.), 517
charcoal capillary *h.*: a blood compatibility study (abstr.), 196
charcoal *h.*: 3-hr maintenance dialysis combined with direct hemoperfusion and hemodialysis (abstr.), 197
petroleum-based activated charcoal for (abstr.), 197
in treatment of drug overdose: uncoated activated charcoal (abstr.), 519
Hemorrhage
catecholamines in renal response to (abstr.), 563
Henle
ascending limb of: shape of epithelial cells in (abstr.), 563
loops of: determination of transtubular potential difference and chloride concentration gradient across (abstr.), 585
Hepatic coma
efficacy of petroleum charcoal hemoperfusion in (abstr.), 191

Hepatic failure
Au antigenemia as therapy for transplants and (abstr.), 198
Hepatitis, fulminant
and renal failure, urinary biochemical abnormalities in (abstr.), 499
Hepatorenal syndrome
portocaval shunt or peritoneal jugular conduit effect on renal system (abstr.), 510
Heroin
nephropathy associated with, immunologic study of (abstr.), 549
Heterogeneity
of nephron, effect on distribution of nephron filtration rates, 271
Histamine
effects on microcirculation function (abstr.), 567
Historical perspective
of glomerular sieving, 264
Histuria
and serum proteinuria following kidney allotransplantation (abstr.), 199
Hodgkins disease, nephrotic syndrome of
immunologic studies of (abstr.), 541
Hoeltzenbein dialyzer
in pediatric patients (abstr.), 199
Hormone
role in water and urea transport (abstr.), 597
Hydronephrosis
unilateral hereditary (abstr.), 558
25-Hydroxycholecalciferol
effect on bone lesions of children with terminal renal failure, 395
Hypercalcemia, post-renal transplant
phosphate-induced calcification in (abstr.), 511
Hypercalciuria
in distal renal tubular acidosis (abstr.), 495
in the phosphate-depleted dog (abstr.), 492
Hypercapnia
renal handling of Na, K, and Cl during (abstr.), 598
Hyperchloremic uremic acidosis
pathogenesis of (abstr.), 554
Hyperlipidemia
control by activated charcoal (abstr.), 509
Hyperlipoproteinemia
in renal failure (abstr.), 498
Hypernatremia
effect on central nervous system of, 104, 502 (abstr.)
Hyperparathyroidism
bone composition in (abstr.), 488
and drug therapy for renal osteodystrophy (abstr.), 195
in hemodialyzed patients, hydroxycholecalciferol to treat (abstr.), 193
Hyperphosphatemia
in uremia, control of (abstr.), 509
Hypertension
acebutolol's effect on (abstr.), 186
angiotensin and kallikrein-kinin system in (abstr.), 533
angiotensin-antagonist studies related to (abstr.), 338
angiotensin blockade as a rapid diagnostic test in hypertension (abstr.), 197
angiotensin II blockade: effect in chronic hemodialysis patients with (abstr.), 198
in children with renal scarring and/or atrophy (abstr.), 502
dopamine and blood pressure levels in renal failure and (abstr.), 537
and factors contributing to uremia in chronic hemodialysis, 409
forearm vascular resistance and capillary filtration coefficient in (abstr.), 531
glomerular filtration fraction and (abstr.), 508
hydrochlorothiazide, triamterene, and low salt diet effects on (abstr.), 531
malignant arterial *h.*, due to benign renin-secreting kidney tumor (abstr.), 185
malignant *h.*: bilateral renal-artery embolization as treatment of, in dialysis patients (abstr.), 338
natriuresis in (abstr.), 529
natriuretic response in (abstr.), 533
in newborn (abstr.), 535
obesity and blood volume in (abstr.), 538
pathogenesis of (abstr.), 535
pathogenesis of, in chronic kidney disease without overt renal failure (abstr.), 336
pharmacokinetics of acebutolol in chronic renal insufficiency and (abstr.), 185
prostaglandin's effect on renal circulation in (abstr.), 186
and racial differences in response to sodium (abstr.), 533
renal hemodynamic changes in unilateral hypertensive kidney diseases (abstr.), 185
renal injury and proteinuria in (abstr.), 559
renin-angiotensin system in (abstr.), 534, 536
renin-angiotensin system role in aldosterone response in (abstr.), 533
renin generation from renal arteriovenous fistula in (abstr.), 534
renin-like activity in anephric man (abstr.), 537
saralasin to identify surgically curable (abstr.), 537
single blood pressure determination in community screening of (abstr.), 532
transcapillary escape rate of albumin in (abstr.), 537
volume-dependent parameters in (abstr.), 187
Hypoaldosteronism
role of prostaglandins in (abstr.), 534
Hypocalciuria
thiazide-induced, role of volume contraction, 164
Hypoglycemia
in terminal renal failure (abstr.), 507
Hypokalemia
hemodynamic changes with (abstr.), 529
Hyponatremia
drug-induced, related to impaired water excretion, 96
due to transient idiopathic syndrome of inappropriate antidiuretic hormone (abstr.), 508
effect on central nervous system, 104
Hypoparathyroidism
diuretics and salt restriction as treatment of (abstr.), 491
Hypotension
juxtaglomerular apparatus renin activity and (abstr.), 531
Hypothalamus
injury: renal salt excretion after (abstr.), 504
secretion of vasopressin and neurophysin, 12
Hypothyroidism
renal sodium conservation in (abstr.), 562

Hypoxia
GFR and Na excretion during (abstr.), 579
prevention or treatment of acute renal failure in (abstr.), 510

Immune complexes
in glomerulonephritis (abstr.), 339
soluble: in sera of patients with nephritis, 256
uptake of, by kidney (abstr.), 543
Immune complex nephritis
mesangial function in (abstr.), 543
Immunoflourescent deposits
in normal kidneys (abstr.), 539
Immunology
cell-mediated lympholysis defect in successful human leukocyte antigens nonidentical transplants (abstr.), 200
Imuran
effect on fatty acids and plasma lipids (abstr.), 574
Indomethacine
effect on autoregulation of renal blood flow (abstr.), 187
Infection
of urinary tract, effect of drugs on (abstr.), 486
Insulin
renal handling of (abstr.), 573
Intestinal absorption
in renal control of sodium and water transport by the jejunum (abstr.), 188
Interstitial nephritis
soluble immune complexes in sera of patients with, 256
Ionic permeability
microfilament influence on tight junction: effect of plant cytokinins (abstr.), 577
Isoncotic plasma volume expansion
mechanism of renal vasodilatation in rat after (abstr.), 595
Iron
in bone marrow, in end stage renal disease (abstr.), 503

Kallikrein activity, urinary
effect of urine Na excretion and urine volume on (abstr.), 590
Kinin formation
site for, in dog nephron (abstr.), 599

Labelled antibody studies
of kidney disease (abstr.), 485
Lecithin cholesterol acyl-transferase deficiency
genetics of (abstr.), 185
Lipids
abnormalities of, in children on hemodialysis, correlated with dietary intake (abstr.), 192
Lithium
-induced state of nephrogenic diabetes insipidus, 82
renal concentration and dilution during acute infusion of (abstr.), 197
Lupus glomerulonephritis
linear IgG deposits in, a case with anuria (abstr.), 188
without clinical renal involvement (abstr.), 503
Lupus nephritis
effect of normalizing serum complement and anti-DNA antibody on (abstr.), 494
electron dense deposits in (abstr.), 497
procainamide-induced, with resolution (abstr.), 541

Lymphatic system, renal capsular
tributaries of (abstr.), 585
Lymphocyte enzymes
of DNA-synthesis in chronic renal failure (abstr.), 196
Lymphocytes
effect of uremia and transplants on, 179
Lymphocytic choriomeningitis virus
immunologic study of glomeruli using (abstr.), 546
Lysosomes
of proximal tubule, rapid protein uptake and digestion in, 301

Macrophages
clearance study of (abstr.), 546
Mathematical model
of osmotic water permeability of perfused tubule segments, 478
Mecurial diuresis
mechanism of (abstr.), 572
Medulla, renal
non-invasive determination of erythrocyte velocities in (abstr.), 584
Membrane fragments
of proximal tubule, in human urine (abstr.), 336
Membrane transport, renal
alterations during *in vitro* incubation of renal slices (abstr.), 572
Mercuric chloride
immunologic response to (abstr.), 549
Methoxyflurane
-induced state of nephrogenic diabetes insipidus, 82
Mineralocorticoid deficiency
urinary acidification in (abstr.), 556
Mineralocorticoid receptors
in human kidney, 154
Muscle damage
clofibrate-induced, in chronic renal failure (abstr.), 191
Muscle protein
variations in, of uremic children, 239
Mushroom
acute renal failure induced by (abstr.), 187
Myeloma, multiple
reversible renal failure in (abstr.), 509
Myoinositol turnover
effect of PTH on (abstr.), 490

Natriuresis
after adrenal enucleation: effect of spironolactone and dexamethasone (abstr.), 576
and decapitation effect on volume expansion (abstr.), 587
Natriuretic factor
end-organ responsiveness of uremic kidney to, 364
role in site of sodium retention in glomerulonephritis (abstr.), 186
and site of sodium retention in glomerulonephritis (abstr.), 194
Natriuretic hormone
in extracts of urine from normal man when salt-depleted and salt-loaded, 381
Nephrectomy
anemia in cobalt chloride-hemodialyzed patients (abstr.), 190
bilateral *n.*: changes in skeletal homeostasis after (abstr.), 195

effects of, on renal salt and water transport in remaining kidney, 450
renin-angiotensin system after (abstr.), 193
as treatment of proteinuria and other renal disorders (abstr.), 494
Nephritic factor
description of a new quantitative assay and findings in glomerulonephritis for, 311
Nephritis
hereditary factors in (abstr.), 507
Heymann *n.*: effect of methysergide on (abstr.), 547
interstitial *n.*: immunological findings in E. coli in (abstr.), 550
nephrotoxic *n.*
defibrination with ancrod in, 343
effect of chemical sympathectomy on (abstr.), 539
tubulointerstitial *n.*: immunological study of (abstr.), 544
Nephron
filtration rate, *See* Glomerular filtration rate
heterogeneity: effect on distribution of nephron filtration rates, 271
proximal juxtamedullary: potassium secretion in (abstr.), 576
segmental chloride reabsorption in, as function of load (abstr.), 581
Nephrosis
filtration and absorption of albumin in (abstr), 561
lipoid *n.*: glomerular cellularity in (abstr.), 550
membranous *n.*: immunologic studies of (abstr.), 541
Nephrotic edema
renin study in (abstr.), 504
Nephrotic syndrome
cellular immune responses in (abstr.), 485
collecting duct as site of sodium retention in (abstr.), 577
cryptogenic glomerular lesions and (abstr.), 485
effects of saralasin in (abstr.), 557
idiopathic: immunologic study of (abstr.), 545
Nephrotoxins
producing acute renal failure: mushroom (abstr.), 187
silicone (abstr.), 190
dialysis encephalopathy syndrome (abstr.), 200
Neurophysin
secreted by hypothalamic neurons, 12
Neurosecretion
and vasopressin, 12
Neurotoxins
uremia and (abstr.), 338
Nitrogen synthesis
effects of acid-base changes on renal NH_3 (abstr.), 582
Norepinephrine
effect on distribution of regional flow to cortex of isolated perfused rat kidney (abstr.), 597
and sodium balance (abstr.), 529

Organic solvents
inhalation of, and nonsystemic glomerular disease (abstr.), 337
Osmoregulation
of vasopressin, 25
Osteodystrophy
dialysate calcium concentration effect on, 246
and factors contributing to uremia in chronic hemodialysis, 409
25-hydroxycholecalciferol and vitamin D effects on, in terminal renal failure in children, 395
renal: hydroxycholecalciferol therapy for (abstr.), 195
Ouabain
and sodium readsorption by the perfused kidney, 147
Oxygen consumption
effect of uremic compounds on (abstr.), 195
Oxytocin
hypothalamic neurons' secretion of, 12

Pancreatitis
hypertension with renal failure and (abstr.), 494
Para-aminohippurate (PAH)
development of transport of, in rabbit proximal straight tubule (abstr.), 599
effect of azotemic sera on transport of (abstr.), 560
and NMN transport in kidney (abstr.), 585
phlorizin stimulation of (abstr.), 602
secretion in newborn dogs (abstr.), 575
transfer across luminal membranes (abstr.), 583
Paraproteinemia
diagnosis and therapy for (abstr.), 497
Parathyroidectomy
as treatment for anemia in hemodialyzed patients (abstr.), 487
in treatment of vitamin D deficiency (abstr.), 487
Parathyroid hormone
bicarbonate role in PTH effect on kidney (abstr.), 493
bicarbonate's effect on, in proximal tubule, 373
cardiac interaction of, in uremia (abstr.), 193
effect of calcium concentration in dialysate on, related to bone disease, 246
effect on phosphate reabsorption in presence of acetazolamide, 216
effect on renal Ca and Mg action (abstr.), 488
effect on urinary acidification (abstr.), 490
handling of, by rat kidney (abstr.), 588
nephron sensitivity to, as renal mass is decreased (abstr.), 492
resistance during phosphorus deprivation (abstr.), 600
role in bicarbonate reabsorption in renal disease, 287
role of proximal acidification in correcting resistance to phosphaturic effect of (abstr.), 592
Pentose shunt
dehydrogenase activity in acid secreting urinary epithelium (abstr.), 593
Peritubular blood flow
heterogeneity of, in renal cortex (abstr.), 580
Petroleum charcoal hemoperfusion
efficacy of, in hepatic coma (abstr.), 191
Phenacetin
decreased conjugation of, in analgesic nephropathy (abstr.), 194
Phenformin tolerance
renal tubular secretion of (abstr.), 495
Phosphate depletion
effect of vitamin D on tissue and serum P in (abstr.), 487
effect on active transport of phosphate (abstr.), 493
pathophysiology of acid-base changes in: bone-kidney interactions (abstr.), 581

Phosphate excretion
effects of vitamin D and hypercalcemia on, in Franconi syndrome (abstr.), 491
Phosphate intake
effect on renal actions of PTH and cAMP (abstr.), 487
Phosphate reabsorption
effect of parathyroid hormone on, in presence of acetazolamide, 216
in thyroparathyroidectomized rat (abstr.), 488
Phosphate transport
across a urinary membrane *in vitro* (abstr.), 587
Phosphaturia
vitamin D effect on, in pseudohypoparathyroidism type I (abstr.), 488
Plasma
amino acid concentration in, in uremia, 471
Polycystic kidney disease
in newborn rat (abstr.), 541
tuberculosis in (abstr.), 512
Polymorphonuclear lysosomal proteases
activity in glomerulonephritis (abstr.), 198
Polyuria
chronic volume overload and (abstr.), 503
hypokalemia and, mechanism studied (abstr.), 583
in K-depletion: role of polydipsia (abstr.), 577
and the osmoregulation of vasopressin, 25
Potassium
-depletion nephropathy: reversal of (abstr.), 574
effect of infusion of sodium salts on excretion of (abstr.), 596
effect on fluid absorption by proximal renal tubules, 221
and glomerular filtration, 264
Pre-eclampsia
with the nephrotic syndrome (abstr.), 498
Pregnancy
intravascular coagulation and toxemia of (abstr.), 486
irreversible structural changes in intrarenal vessels associated with (abstr.), 189
Prolactin
effect on glomerular filtration rate (abstr.), 596
osmotic control of release of, effect on renal water excretion, 158
powder: ADH and oxytocin content of (abstr.), 601
renal water excretion and, 38
Properdin system
in glomerulonephritis, 311
Propranolol
cardiac interaction of, in uremia (abstr.), 193
Prostaglandin
biosynthesis: effect on angiotension II, bradykinin, and arginine vasopressin (abstr.), 575
effect on blood pressure, renal blood flow, sodium and water excretion, 205
effect on ^{3}H-uridine incorporation in uremic plasma (abstr.), 196
effect on Na transport across rabbit cortical collecting tubule (abstr.), 600
effect on transport of Na and Cl in renal medulla (abstr.), 536
excretion: effect of acetylcholine on (abstr.), 587
in renal circulation of hypertensive patients (abstr.), 186
renal production of (abstr.), 570
renal production of, effects of oxygen and solute concentration on (abstr.), 580
and renal vascular resistance (abstr.), 532
role on sodium excretion in hyperoncotic albumin volume expansion (abstr.), 594
-synthetase inhibitors effect on hemodynamics and water and sodium excretion (abstr.), 189
water excretion and, 38
aldosterone-induced membrane proteins of toad's urinary bladder (abstr.), 596
renal: acetylation of, by aspirin (abstr.), 556
uptake: and digestion in proximal tubule lysosomes, 301
and urinary excretion pattern of a pluridisperse protein solution (abstr.), 337
variations in muscle cell protein of severely uremic children, 239
Proteinuria
experimental model of (abstr.), 338
lithium-induced (abstr.), 547
a micropuncture study in the anti-GBM nephritic rat, 425
pathophysiologic factors of (abstr.), 552
and tubular histuria following kidney allotransplantation (abstr.), 199
urinary excretion pattern of a pluridisperse protein solution and (abstr.), 337
Pyelonephritis
detection of cytotoxic antibodies against fetal kidney cells in (abstr.), 187
macrophage cell cycle in (abstr.), 547
Pyrazinoic acid
and urate transport in rat (abstr.), 583

Radiology
correlated to biochemical values during chronic renal failure, hemodialysis, and transplant (abstr.), 517
Receptors
in glomerulus, for C3b (abstr.), 485
in kidney: mineralocorticoid and glucocorticoid, 154
Reflection coefficient
of the inner medullary collecting tubule membrane to urea, related to water extraction, 139
Rejection reactions, acute transplant biopsies and, 171
Remnant kidney
HCO^{-}_{3} reabsorption by (abstr.), 566
Renal biopsy, percutaneous
aspiration needle-syringe for (abstr.), 496
Renal blood flow
autoregulation of (abstr.), 187
laser doppler spectroscopy to measure (abstr.), 535
prostaglandins effect on, 205
prostaglandins effect on, in hypertensive patients (abstr.), 186
regulation of (abstr.), 188
Renal concentrating mechanism
x-ray analysis of (abstr.), 590
Renal disease
antibody studies of (abstr.), 485
chronic: rate of progression of (abstr.), 509
end-stage: incidence of, in children (abstr.), 523
glomerular C3 receptors in (abstr.), 548
immunologic studies of (abstr.), 540
Renal failure
amino acid action in (abstr.), 568

anemia in (abstr.), 568
glucose homeostasis in (abstr.), 553
indomethacin caused aggravation of (abstr.), 566
intestinal potassium movement in (abstr.), 566
renin-angiotensin system in (abstr.), 553
renosonogram in diagnosis of (abstr.), 497
ribonuclease activity in (abstr.), 508
serum trypsin inhibitors in (abstr.), 516
water loss prevention in (abstr.), 557
Renal failure, acute
after coronary angiography in diabetics with azotemic nephropathy (abstr.), 512
after radiographic contrast material (abstr.), 501
chemical sympathectomy effect on (abstr.), 555
endotoxin role in glyercol-induced (abstr.), 568
glomerular filtration rate and mesangial kinetics in (abstr.), 560
induced by ingestion of a mushroom (abstr.), 187
intrarenal angiotensins in (abstr.), 554
ischemic: tubular leakage and obstruction in (abstr.), 567
modification of, by dopamine and furosemide (abstr.), 561
nephrographic patterns after high dose urography in (abstr.), 337
neurologic abnormalities in (abstr.), 556
non-oliguric: prevalence and clinical features of (abstr.), 501
norepinephrine-induced, attenuation of by renal vasodilatation (abstr.), 564
pathogenesis of (abstr.), 555
permeability of peritubular capillaries to albumin in (abstr.), 553
renal hypertrophy effect on (abstr.), 564
renin activity in (abstr.), 555
renin and mercuric chloride role in (abstr.), 554
risk factors in (abstr.), 500
urinary diagnostic indices in (abstr.), 495
Renal failure, chronic
effects of KCl on the response to Na restriction in (abstr.), 563
hyperprolactinemia in (abstr.), 567
immunoreactive gastrin components in (abstr.), 567
inhibitor of heme synthesis in (abstr.), 558
ketoacids and methionine analogue used in (abstr.), 563
ketoacids effect on creatinine in (abstr.), 562
nervous system manifestations of (abstr.), 494
pathogenesis of immunologic unresponsiveness in (abstr.), 539
urinary pCO_2 as index of distal nephron H^+ secretion in (abstr.), 598
Renal medulla
inflammation and repair of mechanically injured (abstr.), 550
Renal metabolism
depression of membrane synthesis by chronic K-loading (abstr.), 569
hemodynamic effects of indomethacin and prostaglandin (abstr.), 570
and purine nucleotide cycle in ammonia production (abstr.), 569
Renal tubule, *See also* Tubules, renal
computation of the osmotic water permeability in, 478
Renin
acebutolol's effect on (abstr.), 186
adrenergic regulation of, influence of dietary sodium on (abstr.), 532
chloride effect on inhibition of (abstr.), 531
decreased by portacaval anastomosis, correlated with arterial blood pressure (abstr.), 530
decrease during KCl infusion (abstr.), 536
effects of KCl on, during sodium restriction in normal man (abstr.), 528
hemodynamics of, in hypertension (abstr.), 187
and kallikrein: influence of race and sodium intake (abstr.), 532
release, effect of cAMP on (abstr.), 536
secreting tumor: malignant arterial hypertension due to (abstr.), 185
study of, related to intermittent hemodialysis (abstr.), 189
suppressed activity of, in renovascular hypertension and hypothyroidism (abstr.), 538
Renin-angiotension system
in anephric man (abstr.), 193
relationship to thirst and water intake, 3
Renovascular hypertension
renal hemodynamic changes in unilateral hypertensive kidney diseases (abstr.), 185
RNA synthesis
effect of prostaglandin on stimulation of (abstr.), 196
effect of renotropic system on (abstr.), 573

Saralasin
used to study role of angiotensin-antagonist in hypertension (abstr.), 338
Serum sickness, chronic
immunologic studies of (abstr.), 540
Silicone
a nephrotoxin (abstr.), 190
Sisomicin
accumulation in renal cortex and medulla compared with other organs and serum, 443
Sodium
absorption: in proximal tubule, 295
and chloride levels in renal plasma and lymph: relationship between (abstr.), 594
effect on central nervous system of hypernatremic and hyponatremic states, 104
effect on distribution of nephron filtration rates, 271
excretion
chlorothiazide's effect on, 164
effect of nephrectomy on, 451
effect of prostaglandins on, 186 (abstr.), 205
effect of prostaglandin-synthetase inhibitors on (abstr.), 189
fractional: in uremic kidney, end-organ responsiveness to natriuretic factor, 364
in man when salt-depleted and salt-loaded, 381
homeostasis: in regulation of renal blood flow (abstr.), 188
reabsorption
and bicarbonate reabsorption by isolated perfused rat kidney (abstr.), 592
effect of volume expansion on, in diluting segments of the nephron: clearance method study, 229
during maturation (abstr.), 598
renal: effect of changes in, on glucose uptake, glucose utilization and oxygen consumption (abstr.), 595

transport mechanisms for, 147
tubular: alterations in following induction of and recovery from volume expansion (abstr.), 589
readsorption: sodium-K-ATPase effect on, 147
retention
in glomerulonephritis, role of a natriuretic factor (abstr.), 186
site of, in glomerulonephritis, role of a natriuretic factor (abstr.), 194
transport
acetylcholine and carbachol effects on, in toad bladder (abstr.), 603
effect of nephrectomy on distal *s.t.*, 450
effect on reabsorption of fluid and transepithelial voltage in proximal renal tubules, 221
renal control of, by the jejunum (abstr.), 188
in urinary bladder, role of anions in regulating short-circuit currents (abstr.), 604
Solute delivery
influence of volume expansion on NaCl reabsorption in the diluting segments of nephron: clearance method study, 229
Sorbents
charcoal capillary hemoperfusion system (abstr.), 196
regeneration of dialysate in long-term home dialysis (abstr.), 196
Standing droplet limiting concentration gradients
evaluation of (abstr.), 601
Sulfonylureas
-induced state of nephrogenic diabetes insipidus, 82
Surgery
effect on plasma volume and salt excretion (abstr.), 591
Systemic lupus erythematosus
C-type virus in (abstr.), 548
glomerulonephritis with linear IgG deposits, a case with anuria (abstr.), 188
inflammation in, associated with complement deficiency (abstr.), 549
prognosis, disease activity and immunologic tests in (abstr.), 190
pulmonary hemorrhage in (abstr.), 505
Systemic lupus erythematosus nephritis
platelet function in (abstr.), 502

Tetracyclines
-induced state of nephrogenic diabetes insipidus, 82
Thirst
physiologic basis of, 3
Thromboembolic phenomena
anticoagulant therapy for (abstr.), 503
Thrombosis, renal vein
diagnosis of (abstr.), 498
Thyroid hormone
water excretion and, 38
Ticrynafen
mechanism underlying T-induced hypouricemia (abstr.), 600
Toad bladder
influence of transepithelial potential difference on acidification in, 279
Toxemia
of pregnancy, intravascular coagulation (abstr.), 486
Transepithelial potential difference
effect on acidification in toad urinary bladder, 279
Transepithelial transport
and fluid absorption during proximal tubule development, 348
Transepithelial voltage
effect of monovalent ions on, in proximal convoluted tubules, 221
Transplantation
accelerated vascular disease following: serum factors (abstr.), 604
arterial anastomosis in, complications of (abstr.), 192
aseptic necrosis of bone after (abstr.), 607
Australian and New Zealand survey of (abstr.), 199
avascular necrosis of bone following (abstr.), 190
azathioprine dose management in acute tubular necrosis following (abstr.), 608
biopsies in diagnosis and management of acute rejection reactions, 171
cell-mediated lympholysis defect in successful human leukocyte antigens nonidentical transplants (abstr.), 200
circulating immune complexes in relation to rejection episodes after (abstr.), 608
and comparison of daily and alternate-day corticosteroid administration on lipid and carbohydrate metabolism (abstr.), 607
comprehensive cross-match for (abstr.), 606
critique of cadaver donation process (abstr.), 607
cytotoxic effector cells and suppressor T cell activity in HLA non-identical transplants (abstr.), 612
de novo development of membranous nephropathy in (abstr.), 610
and differential effects of immunosuppressive agents on lymphocytes (abstr.), 611
effect on Au antigenemia on long-term survival of (abstr.), 198
effect of oral glucocorticoid therapy on white blood cell counts in (abstr.), 605
effect on home dialysis program (abstr.), 195
effect on lymphocytes, 179
effect on uremic deafness (abstr.), 197
evidence for antigen activity in subcellular lymphocyte fragments (abstr.), 608
factors influencing patient and graft survival in (abstr.), 200
in focal glomerulosclerosis (abstr.), 608
glycosuria and (abstr.), 336
heparin treatment for rejection of (abstr.), 605
herpes virus hominis type 2 in rejection of (abstr.), 606
herpes virus infection associated with (abstr.), 609
and hypertension in chronic renal failure (abstr.), 609
immune complexes and weakly incompatible kidney grafts (abstr.), 611
insulin receptor: marker of T cell activation after (abstr.), 607
and *in vivo* reconstitution of tubule-like structures from a nomolayer tissue culture of renal medulla (abstr.), 609
ligandin detection as test for tubular necrosis in (abstr.), 606
lung infections in (abstr.), 193
in membranoproliferative glomerulonephritis (abstr.), 613
membranous glomerulonephritis and (abstr.), 336
and morphologic evidence of perfusion injury in machine preserved kidneys (abstr.), 612

nephrotic syndrome of: clinicopathological study (abstr.), 605
nephritogenic immunopathologic mechanisms and, the problem of recurrent glomerulonephritis, 135
and new techniques for evaluation of renal perfusates (abstr.), 609
outcome of retransplantation (abstr.), 193
and phosphate handling (abstr.), 612
predictive value of early 131-I-hippuran renograms for (abstr.), 605
prednisone withdrawal in necro kidney *t.* (abstr.), 196
quality of life following (abstr.), 610
with positive Australia antigen donor (abstr.), 606
rejection and lymphocyte-dependent antibodies (abstr.), 200
rejection: anti B cell Fc receptor blocking antibodies in (abstr.), 610
rejection: donor specific anti-B cell Fc receptor blocking antibodies in eluates from (abstr.), 611
rejection: role of T lymphocyte subsets in (abstr.), 611
renin and aldosterone function in (abstr.), 610
and renin role in hypertension after (abstr.), 612
in treatment of chronic renal failure (abstr.), 194
tubular histuria and serum proteinuria following (abstr.), 199
urinary tract infections after, localization studies (abstr.), 198
Tuberculosis, renal
glomerular basement membrane in (abstr.), 543
Tubules, renal
cells: organ specific properties of, in culture (abstr.), 573
collecting tubule: the role of urea in water extraction from, 139
distal tubule
effects of electrical potential difference on K concentrations in (abstr.), 584
epithelium: electrical properties of (abstr.), 585
feedback mechanism: role in regulation of glomerular function (abstr.), 593
urinary cast formation in (abstr.), 559
in intracellular macromolecular osmotic pressure of (abstr.), 591
necrosis, acute: in absence of renal failure: hypovolemi model (abstr.), 556
osmotic water permeability in, 478
prostaglandins effect on reabsorption of sodium in, 205
proximal convoluted tubule
constant relative Na to Cl permeability in (abstr.), 577
sodium and hydrogen ion transport in (abstr.), 569
proximal fluid absorption: bicarbonate effect on parathyroid hormone-induced changes in, 373
proximal straight tubule: fluid secretion in, role of PAH in (abstr.), 586
proximal tubule
brush border membrane fragments of, in human urine (abstr.), 336
determinants of reabsorption, in partial renal vein occlusion (abstr.), 601
dissociation of urate from sodium transport in, 295
effect of nephrectomy on sodium transport, 450
effect of parathyroid hormone on phosphate reabsorption in presence of acetazolamide in, 216
gentamicin-induced ultrastructural changes in (abstr.), 544
influence of bicarbonate on parathyroid hormone-induced changes in fluid absorption by, 373
intracellular and transepithelial potential measurements in (abstr.), 597
ischemic damage and repair in (abstr.), 552
mechanisms of fluid absorption during development of, 348
PAH accumulation in (abstr.), 571
protein uptake and digestion in, 301
role of monovalent ions in the reabsorption of fluid by, 221
tubuloglomerular feedback: peritubular capillary oncotic pressure as a modifier of (abstr.), 595

Ultrafiltration
as therapy for chronic uremia (abstr.), 198
of overhydrated patients (abstr.), 192
Urate
absorption: in proximal tubule, 295
dissociation from sodium transport in proximal tubule, 295
nephropathy, acute: diuresis vs. urine alkalinization in the prevention of (abstr.), 557
Urea
acid-base-induced alterations in (abstr.), 486
effect of clopamide and furosemide on, in diabetes insipidus (abstr.), 337
factors in uremic physiology, in chronic hemodialysis, 409
and water extraction from the inner medullary collecting tubule system, 139
Uremia
accumulation and excretion of middle molecules in (abstr.), 191
amine metabolism in small intestine in (abstr.), 564
calcemic action of PTH in (abstr.), 490
catecholamines in (abstr.), 571
cell metabolism in (abstr.), 562
in children: essential amino acids in the management of (abstr.), 558
and clofibrate-induced muscle damage in chronic renal failure (abstr.), 191
effect on fatty acid metabolism in the heart (abstr.), 568
effect on lymphocytes, 179
effect on oxygen consumption and cardiac function (abstr.), 195
and end-organ responsiveness to natriuretic factor, 364
factors contributing to, in chronic hemodialysis, 409
home peritoneal dialysis in treatment of (abstr.), 187
and ^{3}H-uridine incorporation by prostaglandin (abstr.), 196
and levamisole effect on lymphocytes (abstr.), 538
medullary structures and Ca reabsorption in (abstr.), 489
metabolism of remnant kidney in (abstr.), 569
phosphate transport in (abstr.), 493
physiologic determinants of angiotensin II pressor responsiveness in (abstr.), 336
plasma amino acids in, in children and adolescents on hemodialysis, 471
prostaglandin synthetase inhibitors effects on sodium and water excretion in (abstr.), 561

starvation effect on muscle protein catabolism in (abstr.), 564
ultrafiltration kidney as therapy for (abstr.), 198
variations in muscle cell protein in children with, 239
vitamin D metabolism in normal and uremic man (abstr.), 192
Uremic serum fraction
inhibition of hematopoietic cells and (abstr.), 500
Uric acid secretion
by proximal straight tubules, mechanism of (abstr.), 580
Uric acid stones
isolation and characterization of uricine from, 437
Uricine
isolation and characterization of, from uric acid stones, 437
Urinary concentration
in disorders of water metabolism, 117
and water movement across nephron segments involved with countercurrent system, 64
Urine dilution
and the countercurrent system, 64
in disorders of water metabolism, 117
Urinary tract infections
after renal transplantation (abstr.), 198
effect of drugs on (abstr.), 486
Urography
and nephrographic patterns in acute renal failure (abstr.), 337

Vasopressin
cellular actions of, in mammalian kidney, 46
and impaired water excretion, 96
induced intramembranous particle aggregation and water flow: effect of colchicine on (abstr.), 587
osmoregulation of, 25
and oxytocin, renal effects of analogues of (abstr.), 593
plasma arginine *v.*: exponential relationship between plasma osmolality and (abstr.), 602
role in mediating diuresis of water immersion to the neck (abstr.), 582
secreted by hypothalamic neurons, 12
water excretion and, 38
Virus
etiology in Balkan nephropathy (abstr.), 189

Vitamin D
concentrations of, in the nephrotic syndrome (abstr.), 199
effect on bone lesions of children with terminal renal failure, 395
metabolism in normal and uremic man (abstr.), 192
toxic effects of (abstr.), 490
vasopressin and saline expansion effects on antiphosphaturic action of (abstr.), 491
Volume depletion
tubular response to (abstr.), 589
Volume expansion
effect on NaCl reabsorption in the diluting segments of the nephron: clearance method study, 229
Volume homeostasis
in regulation of renal blood flow (abstr.), 188

Water conductance
mechanisms of, during proximal tubule development, 348
Water excretion
effect of prostaglandins on, 205
effect of prostaglandin-synthetase inhibitors on (abstr.), 189
and osmotic control of prolactin release, 158
Water extraction
from the inner medullary collecting tubule system, urea's role in, 139
Water metabolism
clinical disorders of, 117
introduction to the Symposium on, 1
Water intoxication
vs. hyponatremia, 104
Water permeability
of perfused tubule segments, 478
Water retention
drug-induced, 96
Water transport
across nephron segments involved with the countercurrent system, 64
renal control of, by the jejunum (abstr.), 188

Zinc excretion, urinary
factors controlling (abstr.), 588

Author Index

Supplements to Kidney International

Altman, Jeremy, *See* Solez, Altman, Risenhoff, Riela, Finer and Heptinstall, S–153

Amano, Izumi, *See* Maeda, Ohta, Manji, Saito, Kawaguchi, Amano, Shibata and Kokayashi, S–289

Andrada, Joseph D., *See* Walker, Denti, Van Wagenen and Andrada, S–320

Apiliga, Moses T., *See* Winchester, Apiliga and Kennedy, S–315

Arendshorst, William J., William F. Finn and Carl W. Gottschalk, A micropuncture study of acute renal failure following temporary renal ischemia in the rat, S–100

Asher, William J., Tina C. Vogler, Kenneth C. Boveé, Philip G. Holtzapple and Robert W. Hamilton. Projections and measurements of *in vivo* performance of liquid membrane capsules, S–254

Baczyk, Kazimierz, *See* Tyrakowski, Knapowski and Baczyk, S–144

Balint, Peter, and Eva Szocs. Intrarenal hemodynamics following temporary occlusion of the renal artery in the dog, S–128

Barbour, Benjamin H., Ann M. LaSette and Alan Koffler. Fixed-bed charcoal hemoperfusion for the treatment of drug overdose, S–333

Becker, A., *See* Man, Drueke, Becker, Zingraff, Jungers and Funck-Brentano, S–269

Bello, Pierino, *See* Giordano, Esposito and Bello, S–284

Berk, Paul D., Bruce F. Scharschmidt, James F. Martin and Paul H. Plotz. Artificial support systems for liver failure, S–233

Beyer, Monica M., *See* Friedman, Saltzman, Beyer and Josephson, S–273

Bienko, Birgit, *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191

Bohle, Adalbert, Joachim Jahnecke, Dieter Meyer and Gunther E. Schubert. Morphology of acute renal failure: Comparative data from biopsy and autopsy, S–9

Bottcher, Walter, and Michael Steinhausen. Microcirculation of the renal papilla of rats under control conditions and after temporary ischemia, S–74

Boveé, Kenneth C., *See* Asher, Vogler, Boveé, Holtzapple and Hamilton, S–254

Brown, Jehoida J., *See* Semple, Brown, Lever, Macgregor, Morton, Powell-Jackson and Robertson, S–169

Brunner, Felix, *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191

Burton, Benjamin T. Reflections on sorbent research in uremia, S–209

Byer, Monica M., *See* Saltzman, Byer and Friedman, S–343

Carter, Norman W., *See* Knochel and Carter, S–58

Castino, Franco, *See* Nosé, Malchesky, Castino, Koshino, Scheucher and Nokoff, S–244

Chang, Thomas Ming Swi. Hemoperfusion alone and in series with ultrafiltration or dialysis for uremia, poisoning and liver failure, S–305

Chang, Thomas Ming Swi. Microcapsule artificial kidney: Including updated preparative procedures and properties. S–218

Cohan, Stanley, *See* Gelfand, Knepshield, Cohan, Ramirez and Schreiner, S–239

Dahlheim, Herbert, *See* Thurau, Vogt and Dahlheim, S–177

Dalal, Fram, *See* Rosenbaum, Kramer, Raja, Winsten and Dalal, S–341

Denti, Ennio, *See* Freston, Work and Denti, S–229

Denti, Ennio, *See also* Walker, Denti, Van Wagenen and Andrada, S–320

DiBona, Donald R., *See* Frega, DiBona and Leaf, S–17

Digems, Panayotis, *See* Yatzidis, Yulis and Digems, S–312

DiMeola, Herbert J., *See* Kashgarian, Siegel, Ries, DiMeola and Hayslett, S–160

Drueke, T., *See* Man, Drueke, Becker, Zingraff, Jungers and Funck-Brentano, S–269

Dubach, Ulrich C., *See* Schmidt and Dubach, S–39

Esposito, Renato, *See* Giordano, Esposito and Bello, S–284

Esposito, Renato, *See also* Giordano, Esposito and Pluvio, S–266

Esposito, Renalto, *See also* Giordano, Exposito, Pluvio and Gonzalez, S–348

Finer, Paul M., *See* Solez, Altman, Risenhoff, Riela, Finer and Heptinstall, S–153

Finn, William F., *See* Arendshorst, Finn and Gottschalk, S–100

Flamenbaum, Walter, Robert J. Hamburger, Martha L. Huddleston, James Kaufman, James S. McNeil, John H. Schwartz and Ray Nagle. The initiation phase of experimental acute renal failure: An evaluation of uranyl nitrate-induced acute renal failure in the rat, S–115

Flamenbaum, Walter, *See also* Schwartz and Flamenbaum, S–123

Frega, Norberto S., Donald R. DiBona and Alexander Leaf. Ischaemic renal injury, S–17

Freston, James W., Jeffrey W. Work and Ennio Denti. Bilirubin removal by hemoperfusion through carbon and by *in vivo* immobilized enzymes. S–229

Friedman, Eli A., Martin J. Saltzman, Monica M. Beyer and Alan S. Josephson. Combined oxystarch-charcoal trial in uremia: Sorbent-induced reduction in serum cholesterol, S–273

Friedman, Eli A., *See also* Saltzman, Byer and Friedman, S–343

Funck-Brentano, J. L., *See* Man, Drueke, Becker, Zingraff, Jungers and Funck-Brentano, S–269

Gelfand, Michael C., James H. Knepshield, Stanley Cohan,

Baldomero Ramirez and George E. Schreiner. Treatment of hepatic coma with hemoperfusion through polyacrylamide hydrogel-coated charcoal, S–239
Giordano, Carmelo, Renato Esposito and Maria Pluvio. Futher studies with oxystarch, S–266
Giordano, Carmelo, Renato Esposito, Maria Pluvio and Francisco Gonzalez. Oxycelluloses: A group of sorbents to remove extracorporeal urea, S–348
Giordano, Carmelo, Renato Esposito and Pierino Bello. A cold charcoal depurator for the adsorption of high quantities of urea, S–284
Goldenhersh, Katherine K., Wuder Huang, Norbert S. Mason and Robert E. Sparks. Effect of microencapsulation on competitive adsorption in intestinal fluids, S–251
Gonzalez, Francisco, *See* Giordano, Esposito, Pluvio and Gonzalez, S–348
Gordon, Arthur, Andrew Lewin, Laurence B. Marantz and Morton H. Maxwell. Sorbent regeneration of dialysate, S–277
Gottschalk, Carl W., *See* Arendshorst, Finn and Gottschalk, S–100
Goulding, Roy. Experience with hemoperfusion in drug abuse, S–338
Guder, Walter G. and Udo Schmidt. Substrate and oxygen dependence of renal metabolism, S–32

Hamburger, Robert J., *See* Flamenbaum, Hamburger, Huddleston, Kaufman, McNeil, Schwartz and Nagle, S–115
Hamilton, Robert W., *See* Asher, Vogler, Boveé, Holtzapple and Hamilton, S–254
Hayslett, Jonn P., *See* Kashgarian, Siegel, Ries, DiMeola and Hayslett, S–160
Held, Eckhardt. Protective effects of renal medullary autotransplants upon the course of post-ischemic acute renal failure, S–201
Heptinstall, Robert H., *See* Solez, Altman, Risenhoff, Riela, Finer and Heptinstall, S–153
Hill, John B., Frank L., Palaia, J. Lawrence McAdams, Phyllis J. Palmer, J. Travis Skinner and S. Melissa Maret. The rationale for fixed-bed charcoal in hemoperfusion, S–328
Holtzapple, Philip G., *See* Asher, Vogler, Boveé, Holtzapple and Hamilton, S–254
Holtzapple, Philip G., *See* Asher, Volger, Boveé, Holtzapple and Hamilton, S–254
Huang, Wuder, *See* Goldenhersh, Huang, Mason and Sparks, S–251
Huddleston, Martha L., *See* Flamenbaum, Hamburger, Huddleston, Kaufman, McNeil, Schwartz and Nagle, S–115
Huguenin, Marianne, *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191

Ishikawa, Isao, and Norman K. Hollenberg. Pharmacologic interruption of the renin-angiotensin system in myohemoglobinuric acute renal failure, S–183

Jacobsen, Stephen, *See* Kolff, Jacobsen, Stephen and Rose, S–300
Jahnecke, Joachim, *See* Bohle, Jahnecke, Meyer and Schubert, S–9
Josephson, Alan S., *See* Friedman, Saltzman, Beyer and Josephson, S–273
Jungers, P., *See* Man, Drueke, Becker, Zingraff, Jungers and Funck-Brentano, S–269

Kashgarian, Michael, Norman J. Siegel, Andrew L. Ries, Herbert J. DiMeola and John P. Hayslett. Hemodynamic aspects in development and recovery phases of experimental postischemic acute renal failure, S–160
Kaufman, James, *See* Flamenbaum, Hamburger, Huddleston, Kaufman, McNeil, Schwartz and Nagle, S–115
Kawaguchi, Shunsuke, *See* Maeda, Ohta, Manji, Saito, Kawaguchi, Amano, Shibata and Kokayashi, S–289
Kennedy, Arthur C., *See* Winchester, Apiliga and Kennedy, S–315
Kirchertz, Ernst J., *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191
Knapowski, Jan, *See* Tyrakowski, Knapowski and Baczyk, S–144
Knepshield, James H., *See* Gelfand, Knepshield, Cohan, Ramirez, and Schreiner, S–239
Knochel, James P., and Norman W. Carter. The role of muscle cell injury in the pathogenesis of acute renal failure after exercise, S–58
Kobayashi, Kaizo, *See* Maeda, Ohta, Manji, Saito, Kawaguchi, Amano, Shibata and Kokayashi, S–289
Koffler, Alan, *See* Barbour, LaSette and Koffler, S–333
Kokot, Franciszek, and Jadwiga Kuska. The endocrine system in patients with acute renal insufficiency, S–26
Kolff, Willem J. Longitudinal perspectives on sorbents in uremia, S–211
Kolff, Willem J., Stephen Jacobsen, Robert L. Stephen and David Rose. Towards a wearable artificial kidney, S–300
Koshino, Isamu, *See* Nosé, Malchesky, Castino, Koshino, Scheucher and Nokoff, S–244
Kramer, Hildegard M., *See* Meriwether and Kramer, S–259
Kramer, Mark S., *See* Rosenbaum, Kramer, Raja, Winsten and Dalal, S–341
Kuska, Jadwiga, *See* Kokot and Kuska, S–26

LaSette, Ann M., *See* Barbour, LaSette and Koffler, S–333
Leaf, Alexander, *See* Frega, DiBona and Leaf, S–17
Lever, Anthony F., *See* Semple, Brown, Lever, Macgregor, Morton, Powell-Jackson and Robertson, S–169
Lewin, Andrew, *See* Gordon, Lewin, Marantz and Maxwell, S–277
Loew, Dieter, and Karl Meng. Acute renal failure in experimental shock due to scalding, S–81

Macgregor, James, *See* Semple, Brown, Lever, Macgregor, Morton, Powell-Jackson and Robertson, S–169
Maeda, Kenji, Kazuhiro Ohta, Tadatomi Manji, Akira Saito, Shunsuke Kawaguchi, Izumi Amano, Masao Shibata and Kaizo Kobayashi. Dialysate regeneration: 30-liter dialysate supply system with sorbents, S–289
Malchesky, Paul S., Richard M. Surovy and Yukihiko Nosé. The charcoal-coil: A dialysis-dialysate regeneration system, S–296
Malchesky, Paul S., *See also* Nosé, Malchesky, Castino, Kosnino, Scheucher and Nokoff, S–244
Man, N. K., T. Drueke, A. Becker, J. Zingraff, P. Jungers and J. L. Funck-Brentano, Clinical use of oxystarch, S–269
Manji, Tadatomi, *See* Maeda, Ohta, Manji, Saito, Kawaguchi, Amano, Shibata and Kokayashi, S–289

Marantz, Laurence B., *See* Gordon, Lewin, Marantz and Maxwell, S–277
Maret, S. Melissa, *See* Hill, Palaia, McAdams, Palmer, Skinner and Maret, S–328
Martin, James F., *See* Berk, Scharschmidt, Martin and Plotz, S–233
Mason, June. Tubulo-glomerular feedback in the early stages of experimental acute renal failure, S–106
Mason, Norbert S., *See* Goldenhersh, Huang, Mason and Sparks, S–251
Maxwell, Morton H., *See* Gordon, Lewin, Marantz and Maxwell, S–277
McAdams, J. Lawrence, *See* Hill, Palaia, McAdams, Palmer, Skinner and Maret, S–328
McNeil, James S., *See* Flamenbaum, Hamburger, Huddleston, Kaufman, McNeil, Schwartz and Nagle, S–115
Meng, Karl, *See* Loew and Meng, S–81
Meriwether, Lewis S., and Hildegard M. Kramer. *In vitro* reactivity of oxystarch and oxycellulose, S–259
Merrill, John P. Expectations for sorbents in uremia, S–351
Meyer, Dieter, *See* Bohle, Jahnecke, Meyer and Schubert, S–9
Morton, James J., *See* Semple, Brown, Lever, Macgregor, Morton, Powell-Jackson and Robertson, S–169

Nagle, Ray, *See* Flamenbaum, Hamburger, Huddleston, Kaufman, McNeil, Schwartz and Nagle, S–115
Nokoff, Robert, *See* Nosé, Malchesky, Castino, Koshino, Scheucher and Nokoff, S–244
Nosé, Yukihiko, Paul S. Malchesky, Franco Castino, Isamu Koshino, Karl Scheucher and Robert Nokoff. Improved hemoperfusion systems for renal-hepatic support, S–244
Nosé, Yukihiko, *See also* Malchesky, Surovy and Nosé, S–296

Ohta, Kazuhiro, *See* Maeda, Ohta, Manji, Saito, Kawaguchi, Amano, Shibata and Kokayashi, S–289
Oken, Donald E. Local mechanisms in the pathogenesis of acute renal failure, S–94
Olsen, Steen. Renal histopathology in various forms of acute anuria in man, S–2
Oreopoulos, Dimitrios, *See* Yatzidis and Oreopoulos, S–215

Palaia, Frank L., *See* Hill, Palaia, McAdams, Palmer, Skinner and Maret, S–328
Palmer, Phyllis J., *See* Hill, Palaia, McAdams, Palmer, Skinner and Maret, S–328
Peters, Georges, *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191
Peters-Haefeli, Lise, *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191
Plotz, Paul H., *See* Berk, Scharschmidt, Martin and Plotz, S–233
Pluvio, Maria, *See* Giordano, Esposito and Pluvio, S–266
Pluvio, Maria, *See also* Giordano, Esposito, Pluvio and Gonzalez, S–348
Popper, Hans. Pathogenesis of hepatic failure. S–225
Powell-Jackson, John D., *See* Semple, Brown, Lever, Macgregor, Morton, Powell-Jackson and Robertson, S–169
Preuss, Harry G. Tubular function in experimental acute tubular necrosis in rats, S–51

Raja, Rasib, *See* Rosenbaum, Kramer, Raja, Winsten and Dalal, S–341
Ramirez, Baldomero, *See* Gelfand, Knepshield, Cohan, Ramirez, and Schreiner, S–239
Reubi, Francois C., and Christian Vorburger. Renal hemodynamics in acute renal failure after shock in man, S–137
Riela, Anthony R., *See* Solez, Altman, Risenhoff, Riela, Finer and Heptinstall, S–153
Ries, Andrew L., *See* Kashgarian, Siegel, Ries, DiMeola and Hayslett, S–160
Risenhoff, Hugh Y., *See* Solez, Altman, Risenhoff, Riela, Finer and Heptinstall, S–153
Robertson, J. Ion S., *See* Semple, Brown, Lever, Macgregor, Morton, Powell-Jackson and Robertson, S–169
Rose, David, *See* Kolff, Jacobsen, Stephen and Rose, S–300
Rosenbaum, Jerry L., Mark S. Kramer, Rasib Raja, Seymour Winsten and Fram Dalal. Hemoperfusion for acute drug intoxication, S–341

Saltzman, Martin J., Monica M. Byer and Eli A. Friedman. Mechanism of life prolongation in nephrectomized rats treated with oxidized starch and charcoal, S–343
Saltzman, Martin J., *See also* Friedman, Saltzman, Beyer and Josephson, S–273
Saito, Akira, *See* Maeda, Ohta, Manji, Saito, Kawaguchi, Amano, Shibata and Kokayashi, S–289
Scharschmidt, Bruce F., *See* Berk, Scharschmidt, Martin and Plotz, S–233
Scheucher, Karl, *See* Nosé, Malchesky, Castino, Koshino, Scheucher and Nokoff, S–244
Schmidt, Udo, and Ulrich C. Dubach. Acute renal failure in the folate-treated rat: Early metabolic changes in various structures of the nephron, S–39
Schmidt, Udo, *See also* Guder and Schmidt, S–32
Schreiner, George E., *See* Gelfand, Knepshield, Cohan, Ramirez, and Schreiner, S–239
Schubert, Gunther E. Folic acid-induced acute renal failure in the rat: Morphological studies, S–46
Schubert, Gunther E., *See also* Bohle, Jahnecke, Meyer and Schubert, S–9
Schwartz, John H., and Walter Flamenbaum. Uranyl nitrate and $HgCl_2$-induced alterations in ion transport, S–123
Schwartz, John H., *See also* Flamenbaum, Hamburger, Huddleston, Kaufman, McNeil, Schwartz and Nagle, S–115
Schloerb, Paul R. Intestinal dialysis in 1975 perspective: Sorbents and intestinal loop nitrogen transport, S–248
Semple, Peter F., Jehoida J. Brown, Anthony F. Lever, James Macgregor, James J. Morton, John D. Powell-Jackson and J. Ion S. Robertson. Renin, angiotensin II and III in acute renal failure: Notes on the measurement of angiotensin II and III in rat blood, S–169
Shibata, Masao, *See* Maeda, Ohta, Manji, Saito, Kawaguchi, Amano, Shibata and Kokayashi, S–289
Siegel, Norman J., *See* Kashgarian, Siegel, Ries, DiMeola and Hayslett, S–160
Skinner, J. Travis, *See* Hill, Palaia, McAdams, Palmer, Skinner and Maret, S–328
Solez, Kim, Jeremy Altman, Hugh Y. Rienhoff, Anthony R. Riela, Paul M. Finer and Robert H. Heptinstall. Early angiographic and renal blood flow changes after $HgCl_2$ or glycerol administration, S–153

Sorkin, Michael I., *See* Stein and Sorkin, S–86
Sparks, Robert E., *See* Goldenhersh, Huang, Mason and Sparks, S–251
Stein, Jay H., and Michael I. Sorkin. Pathophysiology of a vasomotor and nephrotoxic model of acute renal failure in the dog, S–86
Steinhausen, Michael, *See* Botcher and Steinhausen, S–74
Steinhausen, Michael, *See also* Tanner and Steinhausen, S–65
Stephen, Robert L., *See* Kolff, Jacobsen, Stephen and Rose, S–300
Surovy, Richard M., *See* Malchesky, Surovy, and Nosé, S–296
Szocs, Eva, *See* Balint and Szocs, S–128

Tanner, George A., and Michael Steinhausen. Tubular obstruction in ischemia-induced acute renal failure in the rat, S–65
Thiel, Gilbert, Felix Brunner, Peter Wunderlich, Marianne Huguenin, Birgit Bienko, Joachim Torhorst, Lise Peters-Haefeli, Ernst J. Kirchertz and Georges Peters. Protection of rat kidneys against $HgCl_2$-induced acute renal failure by induction of high urine flow without renin suppression, S–191
Thurau, Klas. Introduction to Supplement No. 6, S–1
Thurau, Klaus, Christl Vogt and Herbert Dahlheim. Renin activity in the juxtaglomerular apparatus of the rat kidney during post-ischemic acute renal failure, S–177
Torhorst, Joachim, *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191
Tyrakowski, Tomasz, Jan Knapowski and Kazimierz Baczyk. Disturbances in electrolyte transport before the onset of uranyl acetate-induced renal failure, S–144

Van Wagenen, Rich, *See* Walker, Denti, Van Wagenen and Andrada, S–320
Vogler, Tina C., *See* Asher, Vogler, Boveé, Holtzapple and Hamilton, S–254
Vogt, Christl, *See* Thurau, Vogt and Dahlheim, S–177
Vorburger, Christian, *See* Reubi and Vorburger, S–137

Walker, John M., Ennio Denti, Rich Van Wagenen and Joseph D. Andrada. Evaluation and selection of activated carbon for hemoperfusion, S–320
Winchester, James F., Moses T. Apiliga and Arthur C. Kennedy. Short-term evaluation of charcoal hemoperfusion combined with dialysis in uremic patients, S–315
Winsten, Seymour, *See* Rosenbaum, Kramer, Raja, Winsten and Dalal, S–341
Work, Jeffrey W., *See* Freston, Work and Denti, S–229
Wunderlich, Peter, *See* Thiel, Brunner, Wunderlich, Huguenin, Bienko, Torhorst, Peters-Haefeli, Kirchertz and Peters, S–191

Yatzidis, Hippocrates, and Dimitrios Oreopoulos. Early clinical trials with sorbents, S–215
Yatzidis, Hippocrates, George Yulis and Panayotis Digems. Hemocarboperfusion-hemodialysis treatment in terminal renal failure, S–312
Yulis, George, *See* Yatzidis, Yulis and Digems, S–312

Zingraff, J., *See* Man, Drueke, Becker, Zingraff, Jungers and Funck-Brentano, S–269

Subject Index

Supplements to Kidney International

Supplements 6 and 7, Volume 10, 1976: Acute Renal Failure

Acetazolamide
in study of protection against $HgCl_2$-induced acute renal failure, S–191
Acute renal failure, *See* Renal failure, acute
Aldosterone
in acute renal failure, S–26
Ammoniagenesis
in tubular necrosis of acute renal failure, S–51
Angiotensin, *See also* Renin-angiotensin system
in acute renal failure, S–169
antagonists, in acute renal failure, S–183
Anuria
histopathology of, S–2
and renal hemodynamics in acute renal failure after shock, S–137
Artificial kidney
microcapsule and perparative procedures and properties of, S–218
wearable type, S–300

Bilirubin
removal by hemoperfusion, S–229

Cell swelling
in ischemic renal injury, S–17
Charcoal
for adsorption of high quantities of urea, S–284
c. hemoperfusion with dialysis for uremia: short-term evaluation, S–315
with oxystarch: reduction in serum cholesterol, S–273
Charcoal-coil
a dialysis-dialysate regeneration system, S–296
Chloride transport
altered by uranyl nitrate and $HgCl_2$, S–123
Cholesterol, serum
sorbent-induced reduction of, S–273
Converting enzymes
in renin-angiotensin system in acute renal failure, S–183

Dialysate
regeneration by sorbents, S–277, S–289, S–296
Dialysis, intestinal
effect of microencapsulation on competitive adsorption in, S–251
sorbents and intestinal loop nitrogen transport, S–248
Distal tubule
morphology of, in acute renal failure, S–9
Diuretics
as protection against acute renal failure, S–191
Drug poisioning
hemoperfusion for, S–305, S–333, S–338, S–341

Electrolyte transport
before onset of uranyl acetate-induced renal failure, S–144
Electron microscopy
in study of acute anuria, S–2
Exercise
and role of muscle cell injury in acute renal failure, S–58

Folate
model of acute renal failure: early metabolic changes in nephron, S–39
Folic acid
to induce acute renal failure: morphologic studies, S–46
Furosemide
and protection against acute renal failure, S–191
and tubuloglomerular feedback in early stages of acute renal failure, S–106

Glomerular capillary pressure
in a micropuncture study of actue renal failure, S–100
Glomerular filtration rate
effect of renin activity in juxtaglomerular apparatus during acute renal failure, S–177
Gluconeogenesis
in tubular necrosis, S–51
Glucose metabolism
in renal system, S–32
Glycerol injections
to induce tubular necrosis, S–51

Hemoperfusion
activated carbon for, S–320
in drug abuse, S–333, S–338
fixed-bed charcoal for, S–325, S–333
for uremia, poisoning and liver failure, S–305
Hepatic coma
hemoperfusion treatment of, S–239
Hepatic failure
artificial support systems for, S–233
hemoperfusion for, S–305
pathogenesis of, S–225
sorbents used in, S–209—S–351
Histopathology
of acute anuria, S–2
Human growth hormone
in acute renal failure, S–26
Hyperuricemia
and role of muscle cell injury in pathogenesis of acute renal failure after excercise, S–58

Indicator dilution method
to measure renal blood flow, in acute renal failure after shock, S–137
Indomethacin
effect on renal vasoconstriction, S–153
Insulin
in acute renal failure, S–26
Ion transport
altered by uranyl nitrate and $HgCl_2$, S–123

Ischemia
microcirculation of the renal papilla after, S–74
in renal injury, S–17

Juxtaglomerular apparatus
in the initiation phase of acute renal failure, S–115
morphology of, in acute renal failure, S–9
renin activity in, in acute renal failure, S–177

Lipid hormones
in acute renal failure, S–201

Macula densa
and tubuloglomerular feedback in early stages of acute renal failure, S–106
Mercuric chloride
alterations in ion transport induced by, S–123
early renal angiographic and blood flow changes after, S–153
-induced acute renal failure, protection against, S–191
Metabolism
in acute renal failure, S–51
Microspheres
in study of postischemic acute renal failure, development and recovery, S–160
in study of renin-angiotensin system in acute renal failure, S–183
Morphology
of acute renal failure, S–9, S–46
Morphometry
in acute anuria, S–2
Muscle cell injury
in pathogenesis of acute renal failure after exercise, S–58
Myoglobinuria
and role of muscle cell injury in pathogenesis of acute renal failure after excercise, S–58

Nephrectomy
life prolongation by oxidized starch and charcoal treatment, S–343
Nephrotoxic model
of acute renal failure, S–86

Obstruction
of kidney tubule in ischemia-induced acute renal failure, S–65
of renal artery, a micropuncture study of acute renal failure, S–100
Oliguria
in acute renal failure, S–39, S–100
histopathology of, S–2
Oxidized starch
after nephrectomy, S–343
Oxycellulose
in vitro reactivity of, S–259
to remove extracorporeal urea, S–348
Oxygen metabolism
in renal system, S–32
Oxystarch
with charcoal: reduction in serum cholesterol, S–273
clinical use of, S–269
in vitro reactivity of, S–259
studies with, S–266

PAH transport
related to cellulary dysfunction in acute renal failure, S–51
Papillary circulation
after temporary ischemia, S–74
Parathyroid hormone
in acute renal failure, S–26
Peritubular circulation
in acute renal failure, S–128
Phosphofruelokinase
in acute renal failure, S–39
Plasma aldosterone
in acute renal failure, S–26
Plasma renin activity, *See also* Renin
in acute renal failure, S–26
Potassium deficiency
and role of muscle cell injury in pathogenesis of acute renal failure after excercise, S–58
Prostaglandin
in acute renal failure, S–94, S–201
synthesis of,
and renal vasoconstriction, S–153
Proximal tubule
morphology of, in acute renal failure, S–9
Pyruvate kinase
in acute renal failure, S–39

Regeneration
of tubules, in acute renal failure, S–51
Renal artery
obstruction of, in ischemia-induced acute renal failure, S–65
Renal biopsy
and morphology of acute renal failure, S–9
Renal blood flow
after temporary ischemia, S–74
in development and recovery phases of postischemic acute renal failure, S–160
in a micropuncture study of acute renal failure, S–100
in renin-angiotensin system in acute renal failure, S–183
Renal failure, acute
and early angiographic and renal blood flow changes after $HgCl_2$ or glycerol administration, S–153
electrolyte transport before onset of uranyl acetate-induced *a.r.f.*, S–144
endocrine system in, S–26
in experimental shock due to scalding, S–81
hemodynamics in, after shock, S–137
histopathology in various forms of, S–2
initiation phase of, uranyl nitrate-induced, S–115
intrarenal hemodynamics of, S–128
introduction to symposium on experimental models and pathophysiology of, S–1
ischemia-induced, tubular obstruction in, S–65
ischemic renal injury and, S–17
juxtaglomerular apparatus and renin activity during, S–177
local mechanisms in the pathogenesis of, S–94
metabolic changes in nephron in, S–39
microcirculation of the renal papilla after, S–74
a micropuncture study of, S–100
morphology of, S–9, S–46
muscle cell injury role in, after excercise, S–58
renomedullary autotransplant's effect on, S–201
role of renin and angiotensin in, S–26, S–94, S–115, S–169, S–177, S–183, S–191, S–201
tubular function in, S–9, S–51, S–106, S–115, S–177
tubuloglomerular feedback in early stages of, S–106

urine flow and renin suppression effect on prevention of, S–191
vasomotor and nephrotoxic model of, S–86
Renal failure, terminal
hemocarboperfusion-hemodialysis for, S–312
Renal hemodynamics
in acute renal failure, S–128
after shock, S–137
after $HgCl_2$ or glycerol administration, S–153
Renal metabolism
substrate and oxygen dependence of, S–32
Renin-angiotensin system
in acute renal failure, S–26, S–94, S–115, S–169, S–177, S–183, S–191, S–201
in hemodynamic aspects of development and recovery phases of acute renal failure, S–160
in the initiation phase of acute renal failure, S–115
microspheres in study of, S–183
and renal flow in acute renal failure, S–183
role in the pathogenesis of acute renal failure, S–94
Rhabdomyolysis
and role of muscle cell injury in pathogenesis of acute renal failure after excercise, S–58

Scalding
acute renal failure in experimental shock due to, S–81
Shock
renal hemodynamics in acute renal failure after, S–137
effect on acute renal failure, S–81
Sodium-K-ATPase
role in acute renal failure, S–39
Sodium transport
altered by uranyl nitrate and $HgCl_2$, S–123
in uranyl acetate-induced renal failure, S–144
Sorbents, *See all of Supplement 7* S–209—S–351

Tubular
Tubular function
in acute renal failure, S–51
Tubular necrosis
and hemodynamic aspects of development and recovery phases of acute renal failure, S–160
in ischemic renal injury, S–17
Tubular obstruction
in a micropuncture study of acute renal failure, S–100
in ischemia-induced acute renal failure, S–65
Tubular transport
in early stages of acute renal failure, S–106
Tubulo-glomerular feedback in acute renal failure, S–9
early stages of, S–106
initiation phase of, S–115
renin activity on, S–177

Ultrafiltration
with hemoperfusion for uremia, poisoning and liver failure, S–305
Ultrastructure
of hemodynamic aspects of postischemic acute renal failure, S–160
Uranyl acetate
-induced renal failure, disturbances in electrolyte transport before onset, S–144
Uranyl nitrate
alterations in ion transport induced by, S–123
-induced acute renal failure, the initiation phase, S–115
Urea
cold charcoal depurator for adsorption of high quantities of, S–284
removal with oxycelluloses, S–348
Uremia
sorbents used in, S–209—S–351

Vasoconstriction
after $HgCl_2$ or glycerol administration, S–153
Vasomotor model
of acute renal failure, S–86

Abstracts—Author Index

Aber, G.M., 189
Abramson, R.G., 579
Acchiardo, S.R., 513
Acheson, E.J., 497
Adelman, R.D., 493
Agarwal, B.N., 507
Agishi, T., 197
Agus, Z.S., 581, 589
Ahmed, M., 496
Ahmed, U., 546
Aisenbrey, G.A., 577
Aissa, A.H., 336
Aithal, H.N., 574
Aladjem, M., 510
Alam, A., 567
Al-Awqati, Q., 575
Albers, J., 604
Albertine, K., 585
Albini, B., 538, 549
Alcindor, L.D., 185
Alexander, E.A., 576, 577
Alexander, J.W., 608
Alexandre, G.P.J., 198
Alexandre, J.M., 186
Alfrey, A.C., 518, 607
Algom, D., 508
Alkalay, D., 495
Alleyne, G.A.O., 571
Allhiser, C.L., 543
Almkuist, R.D., 495
Alperin, J.B., 513
Alvarez-Ude, F., 191
Amano, I., 191
Anagnostopoulos, T., 577
Anderson, G.H., 510
Anderson, J.A., 518
Anderson, R.J., 495, 501, 577
Andres, G., 538, 549
Antoniou, L.G., 571
Aoi, W., 537
Appel, A., 494
Appel, G.B., 504
Apostolov, K., 189
Arieff, A.I., 494, 502, 510, 556
Aronstam, A., 502
Arruda, J.A.L., 490, 556, 575, 589, 593
Asaba, H., 191, 192
Asbach, H.W., 197, 199
Athanasoulis, C., 499
Atkin, C., 507
Atkins, J.L., 553
Atkinson, A., 513
Atkin-Thor, E., 553
Atuk, N.O., 539, 555
Aubelo, G., 542
Aubert, P., 185
Aurora, S., 541
Auzan, C., 188
Avram, M., 498, 520
Avram, M.M., 494, 514
Aynedjian, H.S., 566
Ayres, C.R., 537
Azar, S., 536
Aznar, E., 572

Baczko, A.M., 187
Badger, A., 541
Baehler, R., 553
Baer, L., 534
Baez, A., 199
Bagdade, J.D., 553, 604
Bailey, J., 196
Baillod, R.A., 191
Baker, J.T., 575
Baker, K., 189
Baker, M.E., 582
Bakker, W.W., 551
Balabanian, M., 587
Baldet, P., 185
Baldwin, D.S., 565
Baldwin, G., 602
Bank, N., 494, 566
Bansal, V.K., 538
Baranowski, R.L., 554
Barber, T., 548
Barbour, B.H., 513
Barcenas, C.G., 494, 554
Bariety, J., 186
Barjon, P., 185, 188, 198
Barker, J., 573
Barland, P., 494
Barnes, L.D., 581, 584
Barrett, J., 536
Bartter, F.C., 579
Bastl, C., 576
Battilana, C.A., 576
Baturay, N., 606, 609
Bauer, J.H., 527, 528, 563
Bauman, J.W., 576
Baxter, D., 562
Baxter, P., 587
Bay, W.H., 529, 583
Baylis, C., 554
Bean, G.H., 569
Bear, R., 500
Beaumont, J.E., 554, 607

Beck, N., 487
Becker, A., 338
Beckerman, C.D., 595
Beierle, M.J., 539
Belhadj-Mostefa, H., 337
Bell, D., 593, 603
Bell, J.D., 513
Belok, S., 545
Benedetti, E.L., 577
Bengele, H.H., 576
Bengis, R.G., 514
Bennett, C.M., 529
Bennett, F.I., 571
Bennett, W.M., 544
Bentzel, C., 577
Beretta-Piccoli, C., 336
Bergeron, M., 572
Bergert, J.H., 511
Bergström, J., 191, 192
Berl, T., 577
Berlyne, G., 492
Bernard, D.B., 552, 567, 577
Bernaudin, J., 337
Berns, A.S., 495, 501
Bernstein, M., 519
Berry, C.A., 577
Bessler, H., 196
Better, O.S., 487, 495
Bewick, M., 192, 193
Beyer, M.M., 509
Bezoc, J.F., 186
Bhan, A.K., 548
Bhasin, H., 542
Bhathena, D., 605, 613
Bhattacharya, J., 576
Bianchi, C., 185
Biava, C.B., 544
Biel, J.H., 589
Bilinsky, R.T., 503
Binder, H., 576
Blantz, R.C., 535, 601
Block, C.S., 194
Blondin, J., 509, 569
Bloodworth, J.M.B., 539
Bloom, P.M., 539
Bloomer, H.A., 507
Blum, M., 491
Blumenkrantz, M., 196
Blumenkrantz, M.J., 514
Blythe, W., 504
Bogetz, K., 547
Bogusky, R.T., 569
Bohrer, M.P., 554
Bohuslav, V., 198
Boissier, J.R., 193
Bolmey, S.M., 607
Bolton, W.K., 539, 540, 555
Bonadio, M., 185
Bonventre, J., 590
Boonjarern, S., 593
Booth, B.E., 487
Border, W.A., 552
Boris, G., 505
Borucki, L.J., 529
Bosanac, P., 495
Bosch, J., 528, 559, 578
Botella, J., 192
Boudet, J., 338
Boudreau, R., 578
Bouknight, N.S., 500
Boulpaep, E.L., 585, 597
Bourgoignie, J., 561
Bourke, E., 486
Bovee, K.C., 578
Bowen, P.D., 535
Bower, J.D., 514, 515, 517, 519
Bowman, R.L., 535
Bowmer, I., 496
Boyd, M.A., 604
Boyd, W.N., 189
Boylan, J.W., 559
Boyner, J.W., 493
Bradford, W., 499
Bradley, S.E., 530
Brass, H., 195
Brautbar, N., 487, 493
Braverman, B., 578
Bravo, E.L., 538
Breitenfield, R.V., 605
Brenes, L.G., 561
Brenner, B.M., 554, 586
Brentjens, J., 538
Bresin, J., 549
Brickman, A.S., 192, 488
Briggs, J.D., 193, 336
Briggs, J.P., 579
Briggs, W., 514
Brooks, R., 544
Brotherson, K., 543
Brouhard, B.H., 579
Brown, J.J., 193, 336
Brown, M.L., 519, 525
Brown, P., 609
Brown, R.S., 566
Broyer, M., 192
Brunner, H., 196
Bruns, F., 579
Brunzell, J.D., 500
Buckalew, V.M., 495
Buerkert, J.E., 555
Buffaloe, G., 551
Bulger, R.E., 556
Burden, R.P., 189
Burg, M.B., 592
Burke, J.F., 564
Burke, T.J., 581
Burkholder, P., 548
Burnatowska, M.A., 488
Burnell, J.M., 488
Burns, T., 532
Buselmeier, T.J., 568
Butt, K.M.H., 609
Byrne, D., 574

Cade, R., 498, 531
Cadnapaphornchai, P., 536
Cahill, P., 605
Cahill, T.P., 511
Cala, A.R., 507
Calcagno, P.L., 601

Caldas, A.E., 489
Cameron, J.S., 190
Campbell-Boswell, M., 544
Carey, R.M., 537
Carpenter, C.B., 608, 610, 611
Carretero, O.A., 599
Carrillo, J.Z.P., 534
Carroll, H.J., 499, 506
Carvalho, J.S., 555
Cassetta, M., 520, 521
Carter, A.C., 498
Carter, N.W., 515
Carvounis, C.P., 514
Casellas, D., 188
Castillo, W., 526
Caterson, R.J., 556
Catto, G.R.D., 195, 608
Cattran, D.C., 540
Cavallo, T., 545
Cerny, J.C., 609
Claes, G., 193
Clark, J.E., 526
Clark, W.F., 502
Clausen, E., 193
Clyne, D.H., 559
Chabora, B.McC., 558
Chaignon, M., 185
Chaimowitz, C., 487, 495
Chami, J., 515
Chan, Y., 569
Chandrasekhar, H., 497
Chant, S., 540
Charpentier, C., 189
Charra, B., 187
Charytan, C., 496
Chatelanat, F., 187
Cheema-Dhadli, S., 574
Cheigh, J.S., 527, 605
Chesney, R.W., 570, 579
Chevallet, M., 199
Chevet, D., 185
Chien, S., 504
Childi, J., 595
Chinard, F.P., 576
Choi, C.Y., 550
Chonko, A.M., 580
Chou, S.Y., 580
Chrysant, S.G., 570
Churchill, D., 496
Coburn, J.W., 192, 487, 488, 490, 492, 493, 502
Coelho, J.B., 580
Coggins, C.H., 499
Colasanti, G., 485
Coleman, R., 554
Coles, G.A., 198
Coli, A., 185
Colindres, R.E., 488
Collin, P., 336
Collins, A.B., 548
Colvin, R.B., 548
Conger, J.D., 555, 557
Converse, J., 530
Cook, C.J., 595
Cook, V.L., 565
Cooper, J.D., 494, 556
Cooper, W.L., 515
Cooperband, S., 541
Cormier, W.J., 496
Cortes, P., 570, 572
Corvol, P.L., 187, 188
Costanzo, L.S., 489
Costello, J., 486
Cotton, J., 550
Cotton, J.R., 515
Coulson, R.A., 515
Counzelman, G., 493
Couser, W.G., 541, 545, 577, 610
Cowley, A.W., 530
Cox, B., 491
Cox, M., 498
Crocker, J.F.S., 541
Crosbie, W.A., 193
Crosnier, J., 193
Cruz, C., 526
Cueille, G., 338
Cuesta, V., 193, 336
Currier, C.B., 516
Curtis, J.J., 605, 607, 613
Cutler, R.E., 561

Dabirvaziri, N., 521
Dahlberg, P.J., 496
Darby, T., 518
Das, H.A., 194
Daughaday, W.H., 490
David, D.S., 515, 527
Davidian, M., 526
Davidson, W., 198, 524
Davies, M., 198
Davis, B.B., 580
Davis, J.O., 530
Davis, R.C., 610
Davis, T.A., 517
De Broe, M.E., 336
De Châtel, R., 336
Dechatrette, D., 339
Dechenne, C., 187
Degiovanni, G., 187
Deheneffe, J., 193, 336
Dehoratius, R., 541
Delano, B.G., 509
De Leon, L., 547
Del Greco, F., 501, 513, 525
Del Guercio, E.T., 511
D'Elia, J.A., 512
Dellasega, M., 580
Del Monte, M.L., 506
Dentino, M.E., 537
Deschodt, G., 198
DeSchryver, K., 504
Descoeudres, C., 572
Desmet, G., 186
De Talence, N., 189
De Veber, G.A., 518
Devia, C.J., 519
Devynck, M.A., 338
Dhar, S.K., 497, 520
D'Hollander, A., 189
Diaz, M.H., 516
DiBona, G.F., 529

Dick, A., 513
Dienst, S., 609
Digout, S.C., 541
Dimitrov, D., 542
Dirks, J.H., 488, 492
Dische, F.E., 200
DiTella, P., 556
Dixon, F.J., 552
Djaldetti, M., 196
Dobbie, J.W., 190
Dobyan, D.C., 556
Dodelson, R., 543
Doht, B., 198
Dominquez, M., 558
Domoto, D.T., 497
Doner, D., 541
Donohoe, J.F., 552, 567
Donovan, J.M., 522
D'Orchimont, R., 200
Dosa, S., 497
Dousa, T.P., 542, 581, 584
Dray, F., 570
Drayer, D.E., 497
Dreher, W.H., 512
Drueke, T., 193, 338
Dua, S., 490
Du Bois, R., 185
DuBose, T.D., 581
Duchin, K.L., 581
Duckham, J.M., 190
Ducobu, J., 189
Dudzinka, B., 540
Duggin, G.G., 556, 563
Dumler, F., 570, 572
Dunn, M.J., 570
Dupond, J.L, 188
Dupont, E., 200
Dupuis, F., 200
Durand,D., 337
Durante, D., 551
Dusing, R., 557
Dustan, H.P., 538

Earle, D.P., 505, 506
Earnshaw, M., 195
Easterling, R.E., 516
Eaton, J.W., 568
Edeleman, A., 577
Edelman, I.S., 573, 597
Edwards, B., 587
Edwards, K.D.G., 530
Eggena, P., 536
Eidelman, S., 495
Eisinger, R.P., 543
Eisner, G.M., 563, 601
Emmett, M., 581, 582
Ende, N., 606, 609
Engle, R., 522
Epstein, F.H., 493, 597, 599
Epstein, M., 582
Erickson, D.G., 541
Esparza, A., 542
Espinel, C.H., 557
Estep, H., 602
Ettenger, R.B., 523, 608

Evan, A.P., 557, 575
Evans, D.J., 485
Ewan, P., 191
Eyres, K., 193, 485

Fadem, S.Z., 564
Fagan, G., 610
Fajer, A.B., 565
Faivre, J.M., 188
Falcão, H.A., 606
Falk, S.A., 557
Fanestil, D.D., 582
Farber, M.O., 517
Farnsworth, L., 529
Farrow, S.L., 489
Fassbinder, W., 194, 199
Favre, H., 187
Fawcett, P., 200
Fein, A., 499
Fein, P.A., 580
Feiner, H., 542
Feinfeld, D., 494, 514, 520, 606
Feldman, R., 562
Ferguson, R.M., 539
Fernandez, E.D., 582
Ferris, S.A., 547
Ferris, T.F., 529, 583
Field, M., 599
Fietelson, P.J., 503
Filo, R.S., 539
Finck, E., 503
Fine, A., 571
Fine, L., 598, 599
Fine, R.N., 523, 608
Finkelstein, F.O., 489, 560
Finney, D., 518, 522
First, M.R., 498, 583, 608
Fish, A.J., 549
Fish, J.C., 513
Fisher, D.A., 535, 602
Fisher, J.W., 558
Fisher, K.A., 573
Fitz, A., 532
Flamenbaum, W., 531, 601
Fleischner, G., 606
Flendrig, J.A., 194
Flesch, M., 188
Fleuren, G.J., 551
Flis, R.S., 491
Flombaum, C.D., 580
Flouvat, B., 185
Floyd, M., 606
Foley, J.E., 558
Follette, W., 517
Fonseca, J.E., 606
Forrest, J., 599
Forrest, J.N., 498, 548, 571
Forrey, A., 561
Foucar, E., 541
Foulkes, E.C., 583
Fourcade, J., 185
Fournier, A., 186
Fowler, N.B., 591
Frank, M.M., 547
Frank, W.M., 498, 509

Frankfurt, S.J., 583, 588
Franki, N., 597
Freedman, M., 508
Freeman, R.B., 507, 612
Freeman, R.H., 530
Freeman, R.M., 516, 524
Freundlich, M., 558
Friedler, R.M., 490
Friedman, E.A., 498, 509, 609
Friedman, G.S., 192
Friedman, J.J., 567
Friesen, M.J., 502
Frigon, R., 530, 532, 535, 590
Frohman, L., 567
Frohnert, P.P., 521, 542
Fuller, T., 498, 531
Funck-Brentano, J.L., 338
Furman, K.I., 194
Fürst, P., 191, 192

Gagnadoux, M.F., 337
Gagnon, J., 534
Gailiunas, P., 558
Gaines, J., 531
Galaske, R.G., 559
Galasko, G.F.T., 194
Galla, J.H., 531, 554, 607
Gallo, G., 542
Galonsky, R.S., 509
Galvez, O.G., 529, 583
Gan, A., 520
Gandolfi, R., 599
Ganguli, M., 536
Garcia, E., 584
Gardner, K.D., 557
Garella, S., 542
Garovoy, M.R., 610, 611
Garre, M., 185
Garty, J., 490
Garvey, M., 592
Gassée, J.P., 185
Gault, M.H., 496
Gauntner, W.C., 528, 563
Geisse, G., 504
Gelfand, M.C., 547
Gelin, L.E., 194
Gelman, M.L., 499
Genin, R., 188
Gentile, D.E., 516
Ghods, A.J., 499, 523
Giammarco, R.A., 584
Giannotti, P., 185
Giberson, A., 516
Giblin, F., 536
Giebisch, G., 569, 584, 585, 591
Gilbert, B., 592
Gill, J.R., 579
Ginsburg, R., 499
Glabman, S., 528
Glasser, R.J., 552
Glassock, R.J., 552
Goddard, B., 553
Godon, J.P., 186, 194
Goffinet, J.A., 604
Goggin, M., 192

Goldblat, M., 524
Golden, R., 494
Goldfarb, S., 581
Goldin, H., 573
Goldmann, G.S., 568
Goldstein, D.A., 499, 506
Goldstein, H.H., 512
Goldstein, M., 500
Goldstein, M., 528
Goldstein, M.B., 574, 584, 598
Goldstein, M.H., 578
Golub, M., 536
Gonick, H., 492
Gonzalez, F.M., 515
Gonzalez-Molina, M., 494
Goodman, A., 526
Gordon, A., 196
Gorman, J.T., 515, 516, 521
Gottlieb, M., 500, 518, 558
Götze, O., 552
Goubeaud, G., 195
Graefe, U., 517
Graindorge, P., 186, 187
Grant, M.O., 189
Grantham, J., 586
Grasso, M., 524
Grausz, H., 610
Gray, M.J.B., 190
Gray, R.W., 489
Grayzel, A.I., 494
Green, I., 547
Greenfield, C.A., 519, 525
Greenwalt, A., 509
Greifer, I., 510
Grim, C.E., 533, 537
Gronowicz, G., 596
Grosberg, S., 560
Gross, D.M., 558
Grossman, S., 602
Grubb, W., 531
Gubler, M.C., 336
Guedon, J., 185
Guerra, S., 513
Guerrero, J., 337
Guggenheim, S.J., 557
Guillaumie, J.G., 188
Guisado, R., 494, 502
Gunther, R.A., 596
Guntupalli, J., 508
Guo, L., 198, 524
Gupta, S., 199, 609
Gushwa, L.C., 535
Gussis, G.L., 584
Gustafsson, Å., 193
Gutman, R.A., 500
Guyton, A.C., 530

Habib, R., 337
Hagen, T.C., 596
Haimov, M., 199
Hainau, B., 577
Haire, H.M., 500
Hall, D.A., 581, 584
Hall, J.E., 530
Hall, M.F., 609

Hall, P.W., 542
Hall, R.C., 510
Halperin, M.L., 500, 574, 584, 598
Hamburger, R.J., 531
Hamilton, R.W., 495
Hammeke, M., 500, 584
Hampers, C., 518
Handt, A., 517
Harbottle, J.A., 586
Hardin, J.M., 186
Hariprasad, M.K., 543
Harkonen, S., 501
Harnsberger, B., 510
Harrington, A.R., 512
Harrington, D.P., 612
Harris, C.A., 488
Harten, J., 575
Hartenbower, D.L., 490, 492
Harter, H., 504
Hatala, I., 198
Hatano, M., 566
Hawking, K.M., 190
Hawkins, J., 195
Hayashida, Y., 566
Hays, R.M., 597
Hayslett, J.P., 576, 585
Healy, R.W., 512
Heaney, J.D., 491
Hebert, L.A., 605
Heideman, M., 193
Heintz, R., 196
Helderman, J.H., 607
Helfrich, G.B., 516
Hellems, E.W., 517
Helman, S.I., 594
Hendler, E.D., 604
Henrich, W.L., 495, 501
Herbert, J.D., 515
Herbert, L.A., 543
Hewitt, W.R., 571
Heynen, G., 195
Higgins, J.T., 533
Hill, A.V.L., 512, 528
Hill, C., 543, 551
Hill, J.J., 603
Hilmas, D.E., 562
Hinglais, N., 505
Hirasawa, H., 197
Hirsch, S.R., 509
Hoedemaeker, P.J., 551
Hoette, M., 500
Hoffsten, P., 543, 546, 551
Hogg, R., 585
Hohnadel, D.C., 520, 521
Holbert, R.D., 514, 515, 517, 519
Holland, N.H., 613
Hollenberg, N.K., 529
Holliday, M., 523, 564, 568
Hollinger, R., 589
Holloway, S., 518
Holmes, M.J., 585, 594
Holohan, P.D., 585
Hong, C., 498, 571
Hook, J.B., 571
Hopkins, C.A., 523
Hopper, J., 544
Hornych, A., 186, 511
Horowitz, P., 590
Horsch, R., 197, 199
Hostetter, T.H., 491
Houghton, D.C., 544
Hourani, M.R., 517
Howard, J.L., 606, 609
Howard, R.J., 544
Hoyer, J.R., 541, 544, 558
Hruska, K.A., 490
Huang, A.T., 500
Huang, C., 513
Hudson, J., 548
Huffer, W.E., 518, 607
Hull, A.R., 494
Hulter, H.N., 586
Hurley, J., 605
Hurst, K., 518

Iancu, M., 520
Ibels, L.S., 518, 607
Ichikawa, I., 586
Idelson, B.A., 610
Iitaka, K., 545
Ikinger, U., 199
Ill, R.W., 518
Illfelder, L.G., 559
Illnicki, L.P., 586
Imbs, J.L., 337
Inloes, D.S., 584
Iqbal, M.S., 565
Irish, J., 586
Ishizaki, G., 493
Islami, H., 606, 609
Island, D., 602
Issautier, R., 187
Ivanovich, P., 525, 527
Iwatsuki, S., 191
Izatt, S., 518

Jacobs, C., 338
Jacobsen, S., 526
Jamison, R.L., 576, 584
Jan, K.M., 504
Janjan, N., 531
Janssen, H., 518
Jao, W., 498
Jardin, A., 338
Jarosz, H., 594
Javitt, D., 605
Jax, D.K., 570, 579
Jenkins, P.G., 512
Jermanovich, N., 541, 545
Jerrems, D., 587
Jessee, S., 602
Jirka, J., 198
Joffre, J., 337
Johnson, G.A., 529
Johnson, J.P., 587
Johnson, M.D., 511
Johnson, S.F., 502
Jones, P.H., 589
Jones, Q., 514
Jose, P.A., 563, 601

Joseph, B., 513
Joshi, S., 580
Josselson, J., 607
Juncos, L., 498, 531
Jungers, P., 193, 338
Junor, B.J.R., 195
Justrabo, E., 188

Kachadorian, W.A., 587
Kahan, B., 606
Kahn, T., 559, 578
Kaldany, A., 608, 610, 611
Kaloyanides, G.J., 587
Kamalodine, T., 337
Kamdar, A., 501
Kaneko, I., 197
Kanis, J.A., 195
Kano, H., 191
Kant, K.S., 559
Kao-Lo, G., 592
Karanicolas, S., 518
Kashgarian, M., 497
Kassissieh, S.D., 512
Kasten, F.H., 594
Kathpalia, S., 567
Katz, A.I., 503, 548
Katz, L.A., 519, 522
Katz, M.A., 531
Katz, S.M., 545, 549
Kaufman, J.J., 197, 502
Kaufman, J.S., 531
Kau, S.T., 588
Kawamura, J., 559
Keane, W.F., 560
Keim, H.J., 504
Keiser, H.R., 575
Kelly, G.D., 579
Kelley, J., 562
Kelley, V.E., 545
Kennedy, A.C., 190
Keown, P., 612
Kerr, D., 558
Kerr, D.N.S., 191, 200
Kersting, F., 195
Kessler, M., 189
Kienstra, R.A., 503
Kijlstra, A., 546
Kilates, C., 526
Kim, J.K., 542
Kincaid, W.R., 513
King, R., 602
King, R.W., 588
Kinnaert, P., 200
Kinney, M.J., 560
Kirdani, R., 610
Kirkendol, P.L., 519
Kirpalani, A., 528
Kirpatrick, P.R., 539, 555
Kirsch, L.J., 519, 525
Kirschbaum, B.B., 588
Kirsten, W.H., 548
Kitabchi, A.E., 513, 573
Kjellstrand, C., 501, 568
Klahr, S., 492, 543, 546, 551, 603
Kleerekoper, M., 526
Klein, B., 546
Kleinknecht, C., 337
Klemmer, P., 504
Kliger, A.S., 489, 560
Klugo, R.C., 609
Knight, T.F., 588, 589
Knochel, J.P., 515
Knox, F., 587, 592
Knutson, D.W., 546
Kobayashi, H., 197
Kobayashi, M., 197
Kočandrle, V., 198
Koch, K., 194, 197
Koelz, A.M., 486
Koethe, S.M., 543
Koffler, A., 503, 519
Kokko, J.P., 581, 585, 600
Kolff, W.J., 526, 553
Kopp, K.F., 528
Kopple, J.D., 560
Kopsa, H., 197
Korz, R., 196
Kotchen, T.A., 531, 553, 554
Kountz, S.L., 609
Kraikitpanitch, S., 571, 588
Kramer, H.J., 557
Kramer, M.S., 508, 524
Kreis, H., 505
Krølner, B., 193
Krüger, H., 197
Kruis, H., 194
Krumlovsky, F., 501, 513, 525
Kuhn, S., 509
Kumar, S., 575, 589
Kupor, L.R., 546
Kurokawa, K., 572
Kurtz, S.B., 496
Kurtzman, N.A., 490, 554, 556, 575, 589, 593
Kyncl, J., 589

Lacy, F.B., 576
Lagrue, G., 337, 339
Lake, R.B., 522
Lambert, P.P., 185, 337, 338
Lameire, N., 187
Landwehr, D.M., 561
Lange, K., 546
Laragh, J.H., 504
Larno, S., 193
LaSette, A., 519
Lassiter, W.E., 488
Lau, K., 589
Laudat, M.H., 192
Laurent, M., 337
Laver, M.C., 608
Lawson, N., 593
Lawton, W., 532
Lazarowitz, V.C., 494, 502, 510, 556
Lazarus, M., 500, 518, 558
Leber, H.W., 195
Lechene, C., 488, 590, 601
Leckie, B., 185
Ledingham, J.G.G., 195
Lee, H.A., 190
Lee, H.B., 503

Lee, H.M., 200, 611, 612
Lee, R., 500
Legrain, M., 338
Leland, O.S., 512
Lemann, J., 489, 561, 605
Lemonnier, A., 189
Leski, M., 187
Leslie, B.L., 587
Lessman, R.K., 502
Lessof, M.H., 190
LeVeen, H., 560
Levenson, D., 529
Lever, A.F., 193, 336
Levi, J., 196
Levin, M.L., 506, 595
Levin, N.W., 526, 570, 572
Levine, R.D., 606
Levine, S.D., 606
Levinsky, N.G., 552, 567, 577
Levitt, M.F., 578, 579
Levy, M., 337, 590
Levy, S., 532, 590
Lewin, A.J., 196
Lewis, E.J., 549, 550, 610
Lewy, J., 558, 605
Lewy, P.R., 502
Lhoste, F., 193
Liard, J.F., 570
Libertino, J.A., 512
Libit, S.A., 547
Licht, A., 561
Lief, P.D., 590
Lifschitz, M.D., 532, 564
Lilley, J., 520, 532, 590
Lim, V.S., 503, 567
Linas, S.L., 495, 501, 577
Lindeman, R., 562, 571, 588
Lindley, J.D., 513
Lindner, A., 561
Lindsay, R.M., 502
Linshaw, M.A., 591
Linton, A.L., 502
Lipner, H., 494, 514, 520
Liška, M., 198
Liu, C.T., 562
Llach, F., 503
Lockwood, C.M., 191, 507
Lockwood, J.F.B., 612
Loebnitz, U., 196
Løkkegaard, H., 196
Lombaert, M., 186
London, G.M., 187
Losos, K., 579
Lowenstein, J., 534
Lowenstein, L.M., 569
Lowenthal, D.T., 497
Lowrie, E., 500, 518, 522, 558
Lubowitz, H., 559
Lucas, B., 605
Lucsko, M., 185
Ludens, J.H., 582
Luft, F.C., 533, 537, 568
Luke, R.G., 531, 554, 591, 605, 607, 613
Lund, B., 193
Lundin, A.P., 608
Maack, T., 588
MacLeod, M., 195
Maddison, P., 505
Maddox, D.A., 591
Maeda, K., 191
Magana, L., 520
Magrinat, G., 565
Mahajan, S.K., 503
Maher, C.C., 503
Maher, J.F., 520, 521
Mahieu, P., 186, 187, 188
Mahoney, J., 531
Mahood, B., 195
Mahurkar, S.D., 521
Makker, S., 547, 558
Makoff, D.L., 501
Malchesky, P.S., 196
Málek, P., 198
Malekzadeh, M.H., 523, 608
Mallick, N.P., 193, 485, 497
Malnic, G., 584
Maltz, H., 558
Man, N.K., 193, 338
Mandin, H., 578, 591
Mandler, J., 512
Mann, J.B., 503
Manning, R.F., 518
Mansell, M.A., 196
Marbury, T., 498
March, N.M., 511
Marchand, G., 587, 592
Margolis, D., 504
Marib, P., 550
Marks, L.S., 197
Marshall, T.H., 189
Martel-Pelletier, J., 572
Martineaux, C., 189
Martinez, C.J., 520
Martinez-Maldonado, M., 197, 536
Marumo, F., 592
Maschio, B., 199
Mason, N., 509
Massry, S.G., 192, 490, 501, 503, 519, 572
Masur, S.K., 596
Mattern, W., 504
Mattoo, N., 199
Maude, D.L., 592
Mauer, S.M., 544
Mauk, R.H., 564
Maxwell, M.H., 196, 197
May, J., 199
Mayon-White, R., 505, 506
Mayor, G.H., 517
Mazumdar, D.C., 559
McCaa, C.S., 530, 533
McCaa, R.E., 530, 533
McCluskey, R.T., 548
McCreary, J., 556
McDonald, F.D., 536
McFarlane, H., 497
McIntosh, R., 551
McKenna, B.A., 507, 612
McKinney, T.D., 592
McMann, B.J., 547
McNamara, A., 496

McNamara, E.R., 576
McRoberts, J.W., 605
Medlock, T.R., 200, 512, 528, 547
Mehandru, S., 491
Mehta, P., 593
Melman, A., 593
Melsen, F., 193
Meltzer, J.I., 504
Menard, J., 187, 188
Menchaca, J.A., 505
Mendez, G., 611
Menezes, R., 606
Merchie, G., 188
Merland, J.J., 338
Merriam, G., 590
Merrill, J., 500, 518, 558
Messner, R., 541
Metcoff, J., 562
Meyer, J.L., 511
Meyer, P., 338
Michael, A., 485, 508, 552
Michael, U.F., 562
Miller, H., 607
Miller, K., 544
Miller, M., 504
Miller, N.L., 518
Miller, P., 509
Miller, R.B., 516
Miller, S., 492
Miller, T.R., 495, 501
Milliez, P., 186, 187
Mills, B., 492
Milutinovich, J., 517
Mimran, A., 185, 188, 198, 338
Minard, F.N., 589
Mion, C., 187, 198, 199, 338
Mirahmadi, K.S., 515, 516, 521
Mirra, J., 492
Mishina, T., 592
Mitch, W., 562, 563
Mitchell, D., 513
Mitchell, J.D., 521
Mitra, S., 503
Mitschke, H., 197
Mohandas, J., 556
Möhring, K., 197, 199
Molitoris, B.A., 490
Monaco, A.P., 610
Mondorf, W., 199
Montgomery, S.B., 563
Montpellier, P.B., 338
Mookerjee, B., 505
Moore, M., 534
Moore, W., 548
Moorhead, J.F., 191
Moorthy, A.V., 512, 552
Mor, J., 555
Moran, J.E., 485
Morgan, A., 522
Morgan, R.G., 513
Morin, R., 198, 524
Morrin, P.A.F., 505
Morris, R.C., 487
Morrison, G., 498
Morton, J.J., 193, 336
Mouradian, J., 605
Mudge, G.H., 563
Muirhead, E.E., 609
Müller-Suur, R., 595
Murawski, B.J., 522
Murphy, G.P., 610
Murray, B.N., 555
Murray, T.M., 511
Mutz, B., 590

Nabarra, B., 505
Nabeta, K., 197
Nagle, R., 547, 556, 565
Naik, R., 195
Najarian, J.S., 539, 544
Nakane, H., 188
Nakane, Y., 188
Narins, R.G., 495, 581, 582
Nascimento, L., 490, 575, 589
Nash, D.A., 522
Naughton, J.L., 544
Navar, L.G., 593, 595, 603
Navratil, H., 185
Nayak, R., 542
Neff, M., 199
Neusy, A.J., 534
Nevins, T.E., 552
Newmark, K.J., 496
Nidus, B.D., 519, 522
Nielsen, S.P., 193
Nies, A.S., 497
Niessenson, A.R., 506
Nightingale, S.D., 522
Nissenson, A.R., 505, 506
Nizet, A., 188
Nokoff, R., 196
Nolan, J.P., 568
Nolph, K.D., 523, 528, 563
Nomura, Y., 197
Norby, L.H., 534, 593
Norman, A.W., 192, 488, 490
Nose, Y., 196
Nseir, N., 491
Numann, P.J., 510

Oberley, T., 548
O'Callaghan, T., 492
O'Connell, J.M.B., 564
Odaka, M., 197
O'Donnell, M., 536
Oelkers, W., 336
Ogg, C.S., 190, 192
Oh, M.S., 499, 506
Ohta, K., 191
Ohta, T., 197
Okamura, W.H., 192
Oken, D.E., 561
Olin, D.B., 594
Oliver, D., 195
Oliver, D.O., 195
Oliver, J., 486
Olsen, L.S., 604
O'Morchoe, C.C.C., 585, 594
O'Morchoe, P.J., 594
O'Neil, R.G., 594

O'Neill, W.M., 507
O'Nion, J., 553
Ooi, B.S., 498, 608
Ooi, Y.M., 608
Ordinario, A.T., 564
Ordóñez, N.G., 503, 548, 574
Oreopoulos, D.G., 518
Orloff, S., 564, 568
Ornstein, E., 605
Orsi, E.V., 606, 609
Osgood, R.W., 535
Ossi, E., 538, 549
Oster, J.R., 565
Ota, K., 197
Otrakji, J., 519, 522
Ott, C., 553
Oulès, R., 192
Ours, C.W., 589
Ozawa, T., 548

Pabico, R.C., 507, 612
Pachucki, L.C., 605
Pageaut, G., 188
Palla, R., 185
Panem, S., 548
Parfitt, A.M., 526
Parrenin, A., 337
Parsons, V., 192, 193, 200
Passerini, L., 572
Pastoriza-Muñoz, E., 488
Patak, R.V., 564
Patel, V.B., 583
Patel, Y., 596
Paton, A.M., 512, 528
Paul, W.L., 521
Pauli, B.U., 550
Peacock, A., 191
Pearson, J.E., 514, 515, 517
Peitzman, S.J., 507
Pelleg, A., 594
Pellet, M.V., 336
Penner, J.A., 516
Pennisi, A.J., 523, 608
Perez, G.O., 565
Pernollet, M.G., 338
Perol, C., 188
Perry, R.H., 200
Persson, E.G., 595
Pesce, A.J., 559, 583
Pessah, N.I., 585
Peters, D.K., 191, 485, 507
Peterson, J., 498
Petten, R.C.N., 194
Pettersson, E.E., 548
Phillips, L.S., 523
Piel, C., 523
Pielsticker, K., 611
Pierides, A.M., 191, 200
Piering, W.F., 605
Pilar, J., 194
Pils, P., 197
Pinter, G.G., 553, 565
Pirson, Y., 198
Pitcock, J.A., 609
Ploth, D., 593, 595
Pogamp, P.L., 185
Polito, C., 198, 338
Pollak, V.E., 498, 559, 583, 608
Pomeranc, M., 501
Poon-King, T., 505, 506
Popovtzer, M.M., 491, 499
Porter, G., 544
Porter, R.H., 491
Porush, J.G., 580
Post, R.S., 595
Potter, D., 523
Potter, E.V., 505, 506
Powers, K.L., 539
Pozet, N., 336
Prasad, D.R., 600
Prát, V., 198
Preuss, H., 573, 574
Price, C., 195
Price, D.C., 591
Puhr, D.M., 537
Purkerson, M.L., 492
Puschett, J.B., 491
Pussell, B.A., 507
Putois, J., 337

Quamme, G.A., 492
Quellhorst, E., 198
Quichaud, J., 186
Quintanilla, A., 506, 595

Rabin, E.Z., 508
Rabinowitz, L., 596
Rabkin, R., 573
Radichevich, I., 534
Raghavan, S.R.V., 492
Raij, L., 508, 560
Raja, R., 508, 524
Ramee, M.P., 185
Ramwell, P., 534
Randall, H.M., 594
Randall, W.C., 578
Rao, T.K.S., 498, 609
Rascoff, J., 582
Ravindranath, C., 508
Reach, G., 188
Reale, E., 550
Reaven, G.M., 525
Rector, F.C., 577, 591
Redlich, L.R., 567
Rees, A.J., 191, 507
Rees, E.D., 607
Rege, A.B., 558
Reich, I.M., 596
Reichlin, M., 505
Reidenberg, M.M., 497, 515, 527, 537
Reimold, E.W., 535
Relman, A.S., 495, 582
Remmers, A.R., 513
Rennke, H.G., 596
Resnick, J., 508
Reubi, F.C., 336
Reynolds, R., 578
Reynolds, T., 518, 607
Riberi, P., 336
Ribot, S., 524, 606, 609

Rice, L.E., 506
Richards, C.J., 524
Rieger, J., 198
Rifkin, S., 567
Rifle, G., 188
Riggio, R.R., 605
Rightsel, W.A., 609
Riley, A.L., 596
Ringoir, S., 187, 336
Ritz, E., 199
Roberts, B.W., 529, 583
Roberts, C.M., 191
Roberts, J.L., 549
Robertson, C.R., 554, 584
Robertson, J.I.S., 193, 336
Robin, M., 188
Robinette, J.B., 555
Robinson, B.H.B., 195
Robinson, J.A., 538
Robson, A.M., 555
Rochman, J., 495
Rodey, G.E., 543
Rodriguez, H.J., 597
Roels, F., 336
Röhl, L., 199
Rolf, D., 492
Román-Franco, A.A., 549
Romero, J., 587
Roncari, D.A.K., 508
Ronco, G., 186
Rorke, S.J., 198, 524
Rosen, S., 566
Rosen, S.M., 521
Rosenbaum, J.L., 508, 524
Ross, C.R., 585
Ross, L.S., 597
Rostand, S.G., 525
Rothstein, M., 524
Rottembourg, J., 338
Rouby, J.J., 338
Rouse, D., 489
Roux, A., 185
Rowe, J.W., 519, 525
Roxe, D., 501
Roxe, D.M., 525
Roza, O., 509
Rubin, A.L., 515, 527, 537, 605
Rubin, D., 595
Rubin, J.E., 597
Rubinstein, A.H., 570, 572
Rucker, B.B., 558
Russell, R.G.G., 195
Russell, R.P., 612
Rutherford, E., 509
Rutherford, W.E., 509, 569

Saal, S., 527
Saba, J., 609
Sablay, L.B., 494
Sablayrolles, J.L., 337
Sackin, H., 597
Sadiquali, R., 514
Sadler, H.H., 610
Sadler, J.H., 607
Sadowski, J., 338
Safar, M., 186, 187
Safir, D., 512
Safirstein, R., 598
Sagel, I., 546
Saghafi, D., 499
Said, R., 595
Saint-Andre, J.P., 336
Saint-Hillier, Y., 188
Salkin, M., 525
Saltzman, M.J., 509
Samaan, N.A., 524
Sambhi, M., 536
Sanchez, T.V., 517
Sandberg, A., 610
Sanders, E., 198
Sanders, R., 568
Sanfelippo, M.L., 525
Sansom, S., 588
Santhanam, S., 501
Santino, G., 606
Sanz Guajardo, D., 192
Sarles, H.E., 513
Sarma, A.V.S., 508
Sassa, S., 522
Sato, H., 197
Sattler, T., 542
Saukkonen, J.J., 564
Saunders, F., 508
Sausse, A., 338
Sawin, L.L., 529
Saylor, J., 504
Scardapane, D., 500
Schaadt, O., 193
Schacht, R.G., 565
Schaedler, R.W., 564
Scheinman, J.I., 549
Scherberich, J., 199
Scheuermann, E., 194
Schloeder, F.X., 584, 598
Schlondorff, D., 598
Schmidt, M., 337
Schmidt, P., 197
Schmidt, R.W., 510
Schmidt-Gayk, H., 199
Schmidtke, J.R., 539
Schmitt, G., 541
Schneeberger, E.E., 548
Schnur, M., 504
Schoeneman, M., 510, 598
Scholer, D.W., 573
Schott, H.H., 195
Schrader, N.W., 604
Schreiner, G., 574
Schrier, R.W., 495, 501, 577
Schroeder, E.T., 510
Schubert, G., 611
Schüler, H.W., 197, 199
Schulman, G., 565
Schütterle, G., 195
Schwartz, A., 497, 545, 549
Schwartz, G.J., 599
Schwartz, J., 337
Schwartz, J.H., 587, 593
Schwartz, M.M., 550
Scicli, A.G., 599

Scott, W.N., 596
Scribner, B.H., 517
Sealey, J.E., 504
Sebastian, A., 586
Segal, S., 578
Seldin, D.W., 581
Selén, G., 595
Semple, P.F., 193
Senac, J.P., 185
Sepp, H., 518
Shafi, T., 580
Shafrir, E., 553
Shah, S., 526
Shainkin-Kestenbaum, R., 492
Shaldon, S., 198, 199, 338
Shani, S., 492
Shapiro, F., 508
Sharma, H.S.D., 609
Sharon, Z., 550
Sharp, G.C., 523
Shasha, S.M., 487
Shaughnessy, M.A., 506
Shaw, D.A., 200
Shea, C., 520, 521
Sheil, A.G.R., 199
Sheldon, G., 568
Shenouda, A.N., 510
Sherlock, J.E., 550
Sherrard, D.J., 488, 500
Sherwood, J.B., 573
Shifflett, D., 539, 540
Shimamura, T., 550
Shimizu, A., 518
Shin, M., 547
Shults, M.C., 527
Siddiqi, N., 520
Siegel, N.J., 497
Siegel, S.R., 535
Siemsen, A.W., 523
Sigala, J.F., 586
Silva, P., 493, 597, 599
Silverman, M., 540, 599
Simenhoff, M.L., 564
Simmons, R.L., 544
Simon, A.C., 187
Simon, N., 501
Singer, I., 498
Sinha, S., 603
Sinn, H., 197
Sisson, S., 485
Slater, N.G.P., 190
Slater, P.A., 580
Slatin, S.L., 596
Slatopolsky, E., 492, 509
Sleeper, R., 574
Slifkin, R.F., 199
Slingeneyer, A., 187
Slíz, K., 198
Sloan, D.E., 583
Slotkoff, L., 534, 563
Smiley, J.W., 511
Smith, C., 593
Smith, E.C., 497, 520
Smith, E.J., 539
Smith, J.M., 516
Smith, L.H., 496, 511
Smulyan, H., 510
Sobel, A.T., 339
Sodhi, B., 556
Solangi, K., 526
Solomon, S., 601
Soma, M., 197
Sonneborn, R.E., 565
Sørensen, O.H., 193
Soricelli, R.R., 526
Sorkin, H.L., 526
Sorrenti, R., 502
Spangler, W., 493
Spargo, B.H., 503, 548, 572, 574
Sparks, R., 509
Sparling, J.M., 541
Spasic, P., 189
Spencer, A.G., 486
Spiesser, R., 336
Spitzer, A., 510, 598
Sprinkel, M., 557
Stanbaugh, G.H., 518
Stanley, T.M., 490
Stapleton, F.B., 591
Steele, J.M., 534
Steele, R.W., 522
Steele, T.H., 600
Stefaniak, J.E., 596
Stein, J.H., 532, 535, 564
Steinebaugh, B., 500
Steiner, R.W., 535
Steinmuller, D.A., 610
Stenzel, K.H., 515, 527, 537, 605
Stephen, R.L., 526, 553
Stern, M.D., 535
Stern, P., 600
Sterzel, R.B., 550
Stewart, A.G., 541
Stewart, M., 604
Stiller, C.R., 612
Stilmant, M.M., 541, 610
Stinebaugh, B.J., 489, 491, 574, 584, 598
Stitzer, S.O., 536, 582
St. Louis, G., 610
Stoff, J.S., 493, 597, 599
Stokes, J.B., 600
Stoll, R.W., 493
Stone, R., 520, 530, 532, 535, 590
Stork, J.E., 553, 565
Strom, T.B., 607, 608, 610, 611
Sturgill, B.C., 539, 540
Su, W.S., 566
Suc, J.M., 337
Suenaga, E., 197
Sufrin, G., 610
Sugarman, A., 566
Sugihara, M., 197
Sugino, N., 566
Suki, W.N., 489, 491, 546, 598
Sulkin, M.D., 516
Sullivan, J.F., 527
Sullivan, M.A., 607
Suthanthiran, M., 608, 610, 611
Sutton, R.A.L., 488, 492
Suzuki, J., 566

Swendseid, M.E., 560
Swenson, R.S., 525
Swerdlin, A., 551
Szwed, J.J., 517, 567
Szyjewicz, J., 602

Tabata, Y., 197
Taher, S., 536
Takacs, F.J., 512
Takahira, H., 191
Tapia, L., 527, 605
Tarazi, R.C., 538
Tattrie, B., 508
Tavani, N.J., 601
Tavel, A., 551
Taylor, G., 193, 485
Tegtmeyer, C.J., 537
Teitel, J.M., 511
Terman, D.S., 551
Tersteegen, B., 527
Tete, M.J., 192
Teubner, E., 488
Thananopavarn, C., 536
Thaysen, J.H., 196
Theofilopoulos, A.N., 552
Thibault, P., 338
Thoenes, G.H., 611
Thomas, C., 593, 595, 603
Thomas, E., 189
Thomas, F., 200, 611, 612
Thomas, J., 189, 200, 611, 612
Thomas, R., 185
Tilney, N.L., 611
Toback, F.G., 574
Tobian, L., 536
Tomlinson, B.E., 200
Touraine, J.L., 336
Toussaint, C., 189, 200
Townsend, S.M., 570
Traeger, J., 336
Trafford, J.P., 192
Traver, J.A., 192
Tree, M., 193
Treser, G., 546
Trinble, M.E., 574
Trizna, W., 598
Troy, J.L., 554
Trudeau, W., 567
Trump, B.F., 556
Tsai, H.C., 487
Tucker, B.J., 601
Tucker, P., 525
Tung, K., 541
Turiello, M., 549
Turner, D.R., 190
Turner, R.J., 599
Turner, S.M., 539, 555
Tyras, D., 534

Uittenbogaart, C., 523, 608
Ulan, R.A., 612
Ulano, H., 582
Ulrych, M., 537
Updike, S.J., 527
Urbaitis, B.K., 553

Usa, T., 537

Vaamonde, C.A., 562, 565
Valdenaire, J.C., 189
Vallota, E.H., 608
Valtin, H., 600
Van Damme, B., 551
Van Den Berg, C.J., 496, 511
Van den Bosch, B.F., 190
Van Dura, D., 526
Van Endert, G., 527
Van Es, L.A., 546
Van Geertruyden, J., 200
Vanherweghem, J.L, 189
Van Liew, J.B., 559
Van Stone, J., 499, 523, 527, 528, 563
Van Ypsersele de Strihou, C., 198
Varghese, Z., 191
Varney, D., 580
Vaughan, E.D., 537
Vaughn, D.A., 582
Vavra, J., 509
Vaz, F., 606
Velosa, J.A., 552
Venkatachalam, M.A., 552, 567, 596
Venuto, R.C., 568
Vereerstraeten, P., 200
Vernier, R.L., 485, 551
Villalobos, R., 543
Vizzo, J., 517
Vogel, G.E., 528
Vollenweider, E., 187
Von Albertini, B., 528
Von Hartitzsch, B., 200, 512, 528, 547, 568
Vorherr, H., 601
Vorheer, U.F., 501

Wade, M.B., 537
Waks, U., 197
Walker, W.G., 522, 612
Wallace, A.C., 612
Walling, M.W., 487, 492, 493
Walser, M., 562, 563
Walter, R., 593
Walton, R.J., 195
Wang, J.C.W., 550
Wapnick, S., 560
Ward, H.N., 612
Ward, M.K., 200
Wardle, E.N., 486
Warner, R., 589, 601
Wass, J.A., 200
Wassner, S., 564, 568
Watkins, P.J., 200
Weber, H., 598
Wedeen, R.P., 602
Weidig, J., 534
Weidmann, P., 336, 501
Weil, R., 607
Weinberger, M.H., 533, 537
Weiner, I.M., 600
Weinman, E.J., 583, 588, 589
Weinrauch, L.A., 512
Weinstein, E., 514
Weinstein, S., 602

Weiss, Y.A., 187
Weitzman, R., 535, 602
Welbourne, T.C., 572
Welling, D.J., 603
Welling, L.W., 603
Wellner, D., 515
Wellons, H.A., 537
Wen, S.F., 493, 603
Weseley, S., 526
West, C.D., 545
Westenfelder, C., 490, 554
Westervelt, F.B., 540
Wexler, M.J., 590
Whelton, P.K., 612
White, D., 527
White, R.I., 612
White, R.P., 537
Wieme, R.J., 336
Wiener, P., 559
Wiesmann, W., 603
Williams, B.D., 190
Williams, D.G., 190
Williams, E.S., 568
Williams, G., 497
Williams, R., 593, 603
Willis, L.R., 533
Wilmink, J.M., 190
Wilson, A., 589
Wilson, C.B., 191, 505, 552
Wilson, D.M., 496, 511
Wilz, D.R., 489, 561
Winaver, J., 487
Windhager, E.E., 489
Winer, R.L, 515, 516, 521
Wing, A.J., 196
Wollam, E.L., 538
Wommack, L., 607
Wong, N.L.M., 492
Woodall, J., 607
Woodroffe, A.J., 552
Woods, C.G., 195
Woosley, R.L., 497
World, M.J., 485
Wright, F.S., 591, 598
Wyatt, R.J., 613
Wyssbrod, H.R., 596

Yablon, S.B., 495
Yamagata, A., 566
Yarger, W.E., 604
Yee, E., 553
Yeoman, G.D., 538
Yoshida, S., 197
Yost, B., 578
Young, J., 573
Youngberg, S.P., 592
Yu, H.L., 574
Yudis, M., 512

Zabetakis, P.M., 604
Zazgornik, J., 197
Zenser, T.V., 580
Zhepova, F., 337
Ziegenhorn, M., 525
Ziegler, T.W., 604
Zimmerman, L., 191
Zimmerman, S.W., 512, 552
Zingraff, J., 193, 338
Zucherman, G., 504
Zusman, R.M., 575